

Proficiency Testing Scheme für die Wasseranalytik - Realproben N175 Nährstoffe

Proficiency Testing Scheme for Water Analysis - natural water samples N175 Nutrients/Major ions

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Leitung Eignungsprüfungen für den Bereich chemische Analytik / Management for proficiency tests for chemical analysis

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D1. Beschreibung des Ringversuchs

D1.1. Ausgestaltung und Durchführung

- Anzahl der Anmeldungen: 63
- Anzahl der übermittelten Datensätze: 62
- Probenversand: 04.02.2025
- Einsendeschluss der Daten: 04.03.2025

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 29.01.2025. Das Probenmaterial umfasste:

- 1 Probe Grundwasser (N175 A)
- 1 Probe Oberflächenwasser (N175 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 04.02.2025 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-Flaschen (für DOC).

D1.3. Anweisungen für die Teilnehmenden

Aus Stabilitätsgründen wurde empfohlen bis spätestens 12.02.2025 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 2024.

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 04.03.2025 beim Veranstalter vorliegen. Später eingehende Werte wurden nicht berücksichtigt.

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

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

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

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

Bei sehr hohen Streuungen der 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:

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

Dabei ist:

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 2024 (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:

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

Dabei ist:

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 -Score erfolgt die Berücksichtigung der erweiterten Messunsicherheiten der Teilnehmenden und des zugewiesenen Wertes. $|E_n\text{-Score}| > 1.0$ können darauf hinweisen, dass die Unsicherheitschätzungen 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 über aktuell 12 Eignungsprüfungsrunden in Realproben (2013–2024) wurden Kriterien (RSDpool) zur Ergebnisbewertung berechnet. Diese wurden im Zuge der Auswertung den relativen Vergleichsstandardabweichungen (vR) des aktuellen Ringversuchs gegenübergestellt.

Bei nachfolgenden Parametern erfolgte die Berechnung der Scores nach D2: pH-Wert, elektrische Leitfähigkeit, Gesamthärte, Bor, Calcium, Kalium, Magnesium, Natrium, Säurekapazität Ks 4,3 (Alkalinität), Gesamtphosphor (als PO₄), Chlorid, Sulfat, Hydrogencarbonat und Gesamtstickstoff bei Probe N175 A sowie pH-Wert, elektrische Leitfähigkeit, Gesamthärte, Calcium, Kalium, Magnesium, Natrium, Ammonium (als NH₄), Säurekapazität Ks 4,3 (Alkalinität), Nitrit, Gesamtphosphor (als PO₄), Chlorid, Sulfat, Hydrogencarbonat und Gesamtstickstoff bei Probe N175 B.

Parameter Ammonium, Orthophosphat und Nitrat bei Probe N175 A und Parameter Bor, Orthophosphat, Nitrat und DOC bei Probe N175 B:

Die auf Basis der Ergebnisse der Teilnehmenden berechneten Sollwerte lagen außerhalb der Messunsicherheit des Kontrollwertes und es ist über das Kontrolllabor keine Rückführbarkeit möglich. Die zugewiesenen Werte wurde daher über die ausreißerbereinigten Mittelwerte aus der Gruppe der akkreditierten Teilnehmenden berechnet.

Für folgende Parameter wurden die relativen Vergleichsstandardabweichungen (vR) der aktuellen Eignungsprüfungsrunde als Kriterium für die Bewertung gewählt: Ammonium (vR=19 %), Nitrit (vR=7,8 %), Orthophosphat (vR=14 %) und DOC (vR=13 %) für Probe N175A sowie Bor (vR=12 %) und Orthophosphat (vR=17 % basierend auf Gruppe der akkreditierten Teilnehmenden) bei Probe N175 B.

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. mg/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 ±	Mittelwert der Kontrollmessungen des Veranstalters ±

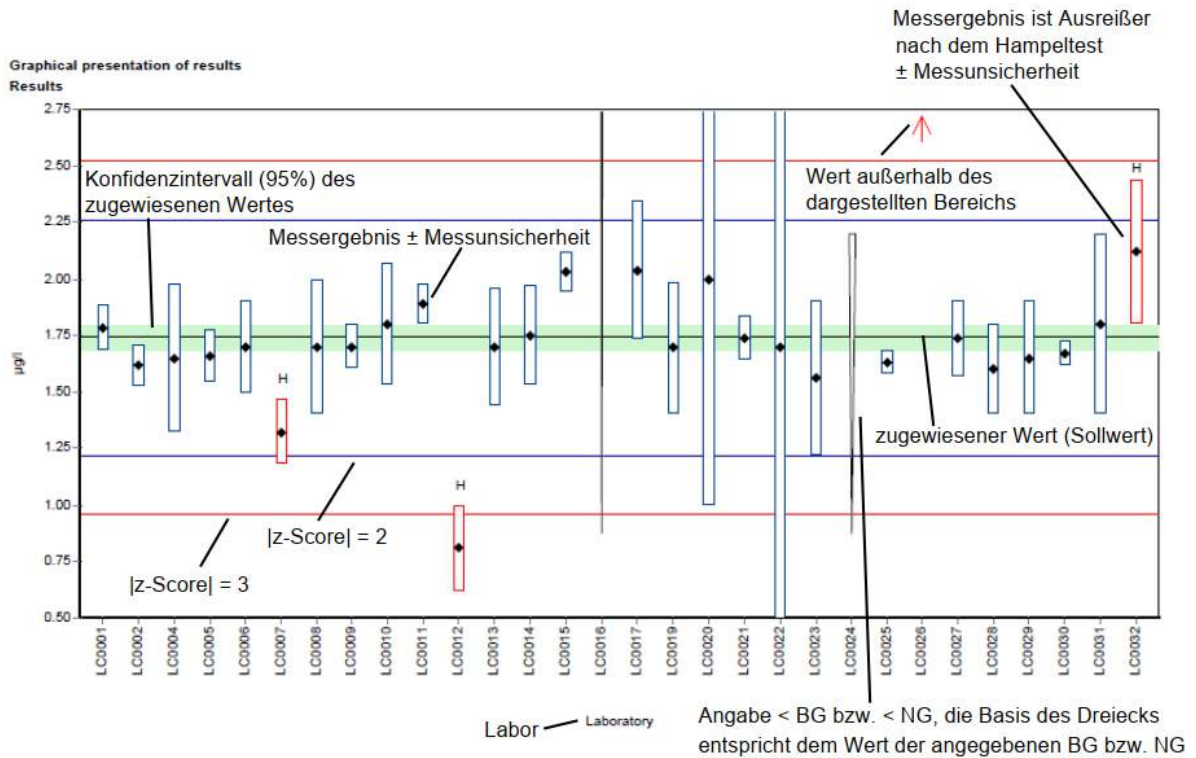
U (k=2)	erweiterte Ergebnisunsicherheit des Kontrollwertes (jeweils angegeben auf 3 signifikante Stellen)
Laborcode	anonymisierte, eindeutige Kennung des teilnehmenden Labors im jeweiligen Ringversuch
Messwert	einzelne(r) Messwert(e) lt. Angabe der Teilnehmenden (maximal 5 Nachkommastellen dargestellt)
Messergebnis	Für die Bewertung herangezogenes Ergebnis lt. Angabe der Teilnehmenden (maximal 5 Nachkommastellen dargestellt). Bei Eignungsprüfungsrunden mit Vorgabe von unabhängigen Mehrfachbestimmungen, entspricht dies dem berechneten Mittelwert aus den einzelnen Messwerten der Teilnehmenden.
$\pm U$	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

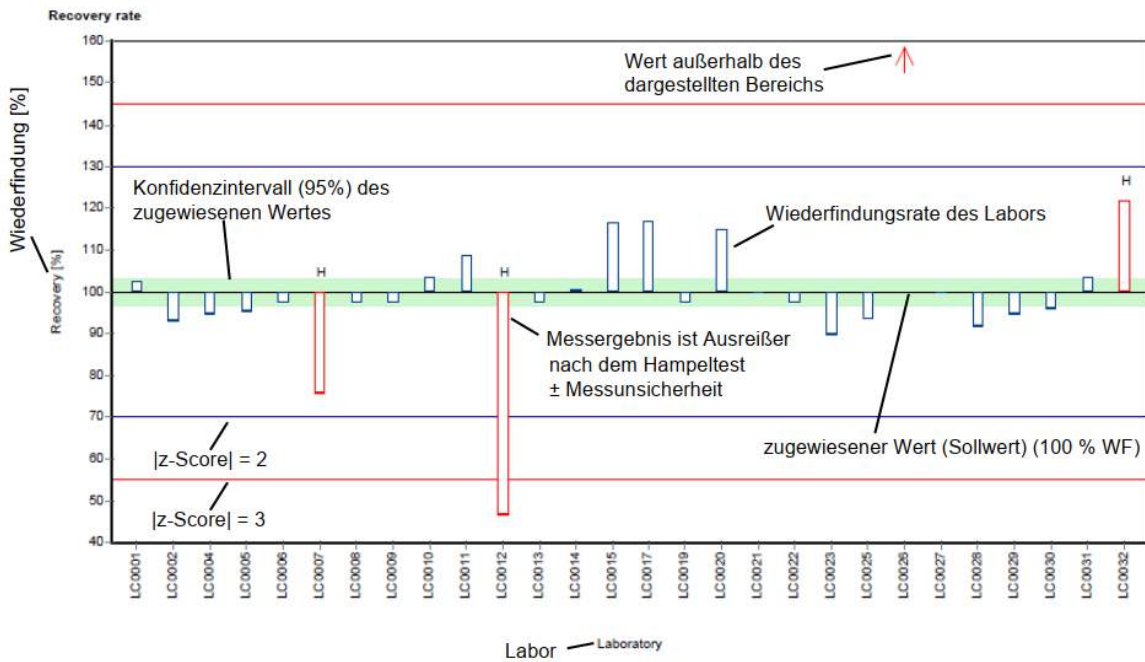
Nachfolgend wird die graphische Darstellung anhand von kommentierten Beispieldiagrammen erläutert.

Beispieldiagramm: Messwerte



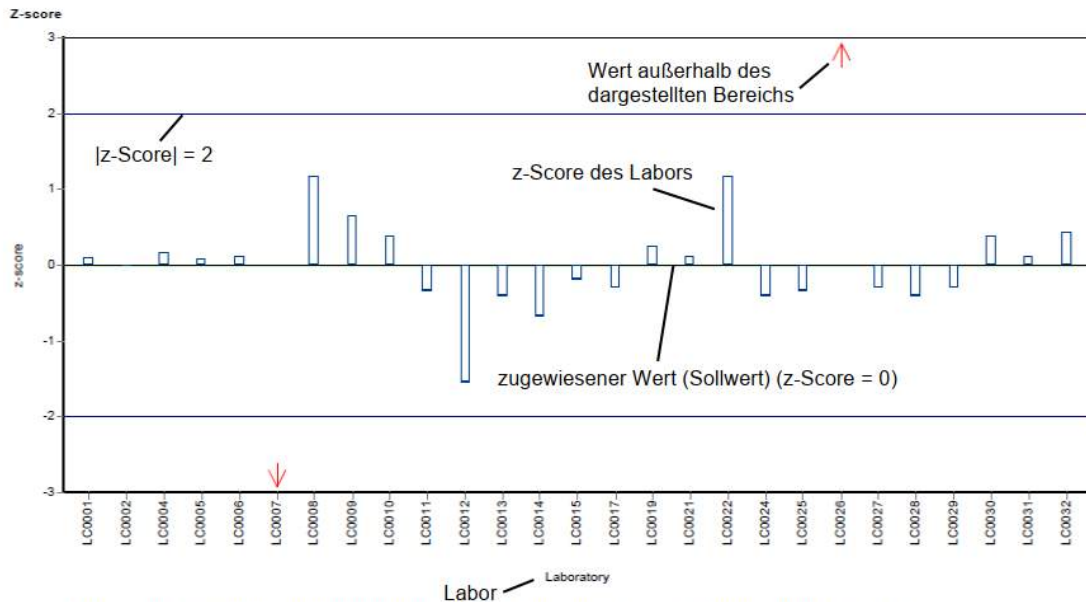
Unterschiedliche Analysenmethoden werden mit unterschiedlichen Farben kenntlich gemacht.

Beispieldiagramm: Wiederfindung zum zugewiesenen Wert



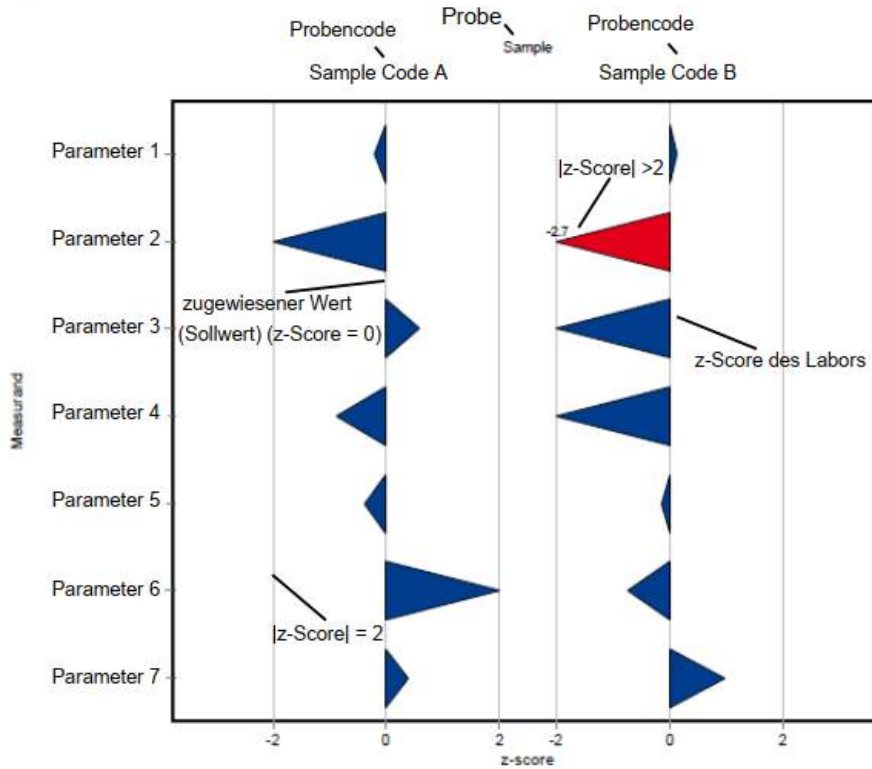
Unterschiedliche Analysenmethoden werden mit unterschiedlichen Farben kenntlich gemacht.

Beispieldiagramm: z-Score

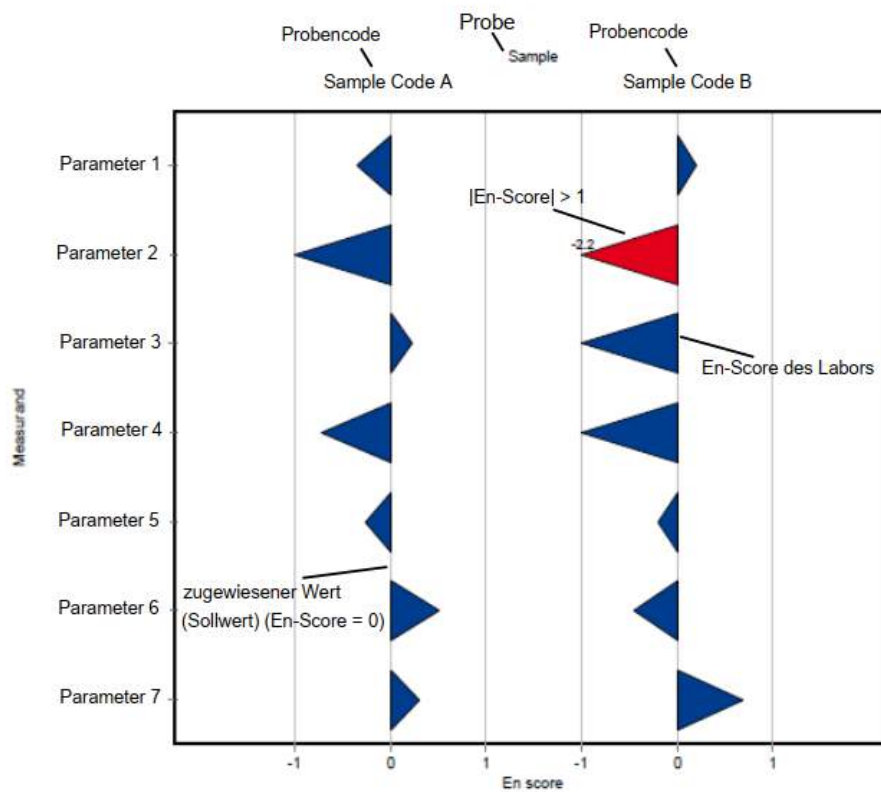


Unterschiedliche Analysenmethoden werden mit unterschiedlichen Farben kenntlich gemacht.

Beispieldiagramm: z-Score (labororientierte Auswertung)



Beispieldiagramm: En-Score (labororientierte Auswertung)



D6. Zusammenfassung

D6.1. Tabelle der zugewiesenen Werte

Parameter	Probe	Einheit	zugewiesener Wert	±	U (k=2)	Kriterium	Kriterium [%]
Ammonium (als NH ₄)	N175 A	mg/l	0.0339	±	0.00218	0.00643	19
	N175 B	mg/l	0.307	±	0.00667	0.0369	12
Bor	N175 A	mg/l	0.0597	±	0.00224	0.00657	11
	N175 B	mg/l	0.0176	±	0.00104	0.00211	12
Calcium	N175 A	mg/l	165	±	1.53	5.12	3.1
	N175 B	mg/l	67.4	±	0.625	2.09	3.1
Chlorid	N175 A	mg/l	102	±	0.706	4.07	4
	N175 B	mg/l	29.3	±	0.251	1.17	4
DOC (berechnet als C)	N175 A DOC	mg/l	1.48	±	0.0592	0.193	13
	N175 B DOC	mg/l	3.46	±	0.0842	0.346	10
elektr. Leitfähigkeit (25°C)	N175 A	µS/cm	1160	±	3.02	15.1	1.3
	N175 B	µS/cm	533	±	1.36	6.93	1.3
Gesamt-P (als PO ₄)	N175 A	mg/l	0.161	±	0.00348	0.0121	7.5
	N175 B	mg/l	2.17	±	0.0523	0.162	7.5
Gesamthärte	N175 A	mmol/l	5.74	±	0.0381	0.172	3
	N175 B	mmol/l	2.34	±	0.0174	0.0701	3
Gesamtstickstoff	N175 A	mg/l	2.96	±	0.0892	0.246	8.3
	N175 B	mg/l	5.8	±	0.138	0.482	8.3
Hydrogencarbonat	N175 A	mg/l	450	±	1.44	8.99	2
	N175 B	mg/l	220	±	0.967	4.41	2
Kalium	N175 A	mg/l	2.56	±	0.0428	0.133	5.2
	N175 B	mg/l	2.58	±	0.0293	0.134	5.2
Magnesium	N175 A	mg/l	38.6	±	0.337	1.55	4
	N175 B	mg/l	15.6	±	0.182	0.622	4
Natrium	N175 A	mg/l	26.5	±	0.22	0.899	3.4
	N175 B	mg/l	16.4	±	0.195	0.558	3.4
Nitrat (als NO ₃)	N175 A	mg/l	12.6	±	0.15	0.629	5
	N175 B	mg/l	23.3	±	0.218	1.16	5
Nitrit (als NO ₂)	N175 A	mg/l	0.0382	±	0.001	0.00298	7.8
	N175 B	mg/l	0.678	±	0.00681	0.036	5.3
Orthophosphat (als PO ₄)	N175 A	mg/l	0.0866	±	0.00442	0.0121	14
	N175 B	mg/l	0.37	±	0.0253	0.0629	17
pH-Wert	N175 A	-	7.54	±	0.0389	0.151	2

Parameter	Probe	Einheit	zugewiesener Wert	±	U (k=2)	Kriterium	Kriterium [%]
pH-Wert	N175 B	-	7.63	±	0.0362	0.153	2
Sulfat (als SO ₄)	N175 A	mg/l	106	±	0.909	3.49	3.3
	N175 B	mg/l	32.1	±	0.266	1.06	3.3
Säurekapazität Ks 4,3	N175 A	mmol/l	7.39	±	0.0212	0.148	2
	N175 B	mmol/l	3.64	±	0.0136	0.0728	2

D6.2. Zusammenfassung der ausreißerbereinigten Ringversuchsergebnisse

Parameter	Probe	Anzahl Labors für	Anzahl Ausreißer	Einheit	Mittelwert	± VB (99%)	Minimum	Maximum	sR	vR [%]
Ammonium (als NH ₄)	N175 A	35	5	mg/l	0.0335	± 0.00323	0.0175	0.0475	0.00637	19
	N175 B	45	2	mg/l	0.307	± 0.01	0.265	0.364	0.0224	7.3
Bor	N175 A	24	0	mg/l	0.0597	± 0.00336	0.052	0.072	0.00549	9.2
	N175 B	18	2	mg/l	0.0177	± 0.00153	0.0144	0.023	0.00217	12
Calcium	N175 A	39	0	mg/l	165	± 2.29	156	179	4.77	2.9
	N175 B	37	2	mg/l	67.4	± 0.938	63.5	71.4	1.9	2.8
Chlorid	N175 A	43	2	mg/l	102	± 1.06	97	108	2.31	2.3
	N175 B	43	2	mg/l	29.3	± 0.377	27.3	31	0.823	2.8
DOC (berechnet als C)	N175 A	39	2	mg/l	1.48	± 0.0888	1.11	1.94	0.185	12
	N175 B	41	1	mg/l	3.45	± 0.117	2.81	3.95	0.249	7.2
elektr. Leitfähigkeit (25°C)	N175 A	51	3	µS/cm	1160	± 4.54	1140	1180	10.8	0.93
	N175 B	51	3	µS/cm	533	± 2.04	522	546	4.86	0.91
Gesamt-P (als PO ₄)	N175 A	29	6	mg/l	0.161	± 0.00522	0.139	0.177	0.00937	5.8
	N175 B	32	3	mg/l	2.17	± 0.0785	1.81	2.52	0.148	6.8
Gesamthärte	N175 A	34	2	mmol/l	5.74	± 0.0571	5.55	5.97	0.111	1.9

Parameter	Probe	Anzahl Labors für	Anzahl Ausreißer	Einheit	Mittelwert	± VB (99%)	Minimum	Maximum	sR	vR [%]
Gesamthärte	N175 B	34	2	mmol/l	2.34	± 0.0261	2.21	2.45	0.0508	2.2
Gesamtstickstoff	N175 A	25	1	mg/l	2.96	± 0.134	2.6	3.57	0.223	7.5
	N175 B	24	2	mg/l	5.8	± 0.206	5.17	6.37	0.337	5.8
Hydrogencarbonat	N175 A	36	3	mg/l	450	± 2.16	442	462	4.32	0.96
	N175 B	36	3	mg/l	220	± 1.45	212	225	2.9	1.3
Kalium	N175 A	35	3	mg/l	2.56	± 0.0642	2.27	2.84	0.127	4.9
	N175 B	32	5	mg/l	2.58	± 0.0439	2.39	2.74	0.0827	3.2
Magnesium	N175 A	37	2	mg/l	38.6	± 0.505	36	41	1.02	2.7
	N175 B	38	1	mg/l	15.6	± 0.272	14.2	16.8	0.56	3.6
Natrium	N175 A	34	4	mg/l	26.5	± 0.33	25	28	0.642	2.4
	N175 B	37	1	mg/l	16.4	± 0.293	15	17.6	0.593	3.6
Nitrat (als NO ₃)	N175 A	44	2	mg/l	12.6	± 0.213	11.5	13.6	0.471	3.7
	N175 B	43	4	mg/l	23.4	± 0.277	22.2	24.9	0.606	2.6
Nitrit (als NO ₂)	N175 A	35	7	mg/l	0.0382	± 0.00151	0.03	0.0432	0.00297	7.8
	N175 B	42	4	mg/l	0.678	± 0.0102	0.632	0.725	0.0221	3.3
Orthophosphat (als PO ₄)	N175 A	35	2	mg/l	0.0858	± 0.00622	0.0595	0.11	0.0123	14

Parameter	Probe	Anzahl Labors für	Anzahl Ausreißer	Einheit	Mittelwert ± VB (99%)	Minimum	Maximum	sR	vR [%]
Orthophosphat (als PO ₄)	N175 B	29	8	mg/l	0.38 ± 0.0244	0.281	0.45	0.0439	12
pH-Wert	N175 A	55	0	-	7.54 ± 0.0583	7.2	7.9	0.144	1.9
	N175 B	52	2	-	7.63 ± 0.0543	7.34	7.97	0.131	1.7
Sulfat (als SO ₄)	N175 A	41	4	mg/l	106 ± 1.36	99.5	112	2.91	2.7
	N175 B	41	4	mg/l	32.1 ± 0.398	30.3	34.1	0.85	2.7
Säurekapazität Ks 4,3	N175 A	45	5	mmol/l	7.39 ± 0.0317	7.25	7.58	0.0709	0.96
	N175 B	43	6	mmol/l	3.64 ± 0.0203	3.52	3.74	0.0445	1.2

E1. Description of the proficiency test

E1.1. Design and implementation

- Number of registrations: 63
- Number of submitted data records: 62
- Dispatch of samples: February 04th, 2025
- Closing date for submission of data: March 04th, 2025

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

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

E1.2. Description of the proficiency test items

The sampling of groundwater and surface water was carried out on 29th of January 2025.

The following samples were made available

- 1 sample groundwater (N175 A)
- 1 sample surface water (N175 B)

Both samples were filtered using 0.45 µm membrane disc filters and stored at 4 +/- 3 °C until further processing. The samples were partly spiked with specific substances.

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

The homogeneous proficiency test items were dispatched on February 04th, 2025.

Each participant received:

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

E1.3. Instructions for the participants

For reasons of stability, it was recommended to start the analysis by the 12th of February 2025 at the latest.

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

E1.4. Control testing for homogeneity evaluation

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

The determination of 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 2024.

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 04th of March 2025. Any values received at a later date were not considered.

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

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

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

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

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

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

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

E2. Criteria of performance evaluation

E2.1. Performance criterion z-Score

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

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

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

In this context,

x_i	is the measurement value (result) of the participating laboratory;
\bar{X}	assigned value the target value for the assessment of the performance of the participants (3 significant digits), normally the average value of the participants' results after removal of outliers; if this approach is not applicable, the target value is assigned according to the procedure given in section E4
Criteria	is the reproducibility standard deviation calculated from previous rounds for proficiency testing for real water samples from 2013 to 2024 (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 takes into account the expanded measurement uncertainties of the participants' results and the expanded uncertainty of the assigned value and is provided in the laboratory oriented part of the report (see E8 after the z-scores evaluation).

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

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

In this context,

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

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

Interpretation of z-Scores:

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

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

Interpretation of E_n-Scores:

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

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

E3. Representation and interpretation of measurement results

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

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

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

An annotation of the tables and graphics is given in section 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 12 proficiency testing rounds in real samples (2013–2024) evaluation criteria (RSDpool) were calculated.

These criteria were compared with the relative reproducibility standard deviation (vR) of the current proficiency testing.

The scores for the following parameters were calculated according to E2:

pH-value, electrical conductivity, total hardness, boron, calcium, potassium, magnesium, sodium, alkalinity Ks 4,3, total phosphorus (as PO₄), chloride, sulfate, hydrogen carbonate and total nitrogen for sample N175 A as well as pH-value, electrical conductivity, total hardness, calcium, potassium, magnesium, sodium, ammonium (as NH₄), alkalinity Ks 4,3, nitrite, total phosphorus (as PO₄), chloride, sulfate, hydrogen carbonate and total nitrogen for sample N175 B.

Parameters ammonium, orthophosphate and nitrate for sample N175 A and parameters boron, orthophosphate, nitrate and DOC for sample N175 B:

The assigned values calculated based on the participants' results were outside of the measurement uncertainty of the control test value and thus traceability could not be proven by this procedure. Therefore, new assigned values were defined by the group of accredited participating laboratories after outlier-assessment.

For the following parameters, the relative reproducibility standard deviation (vR) of the current proficiency testing round was selected as the criterion for the evaluation:

Ammonium (vR=19 %), nitrite (vR=7,8 %), orthophosphate (vR=14 %) and DOC (vR=13 %) for sample N175A as well as boron (vR=12%) and orthophosphate (vR=17 % derived by group of accredited participants) for sample N175B.

E5. Annotations on tables and charts

E5.1. Information and abbreviations in tables

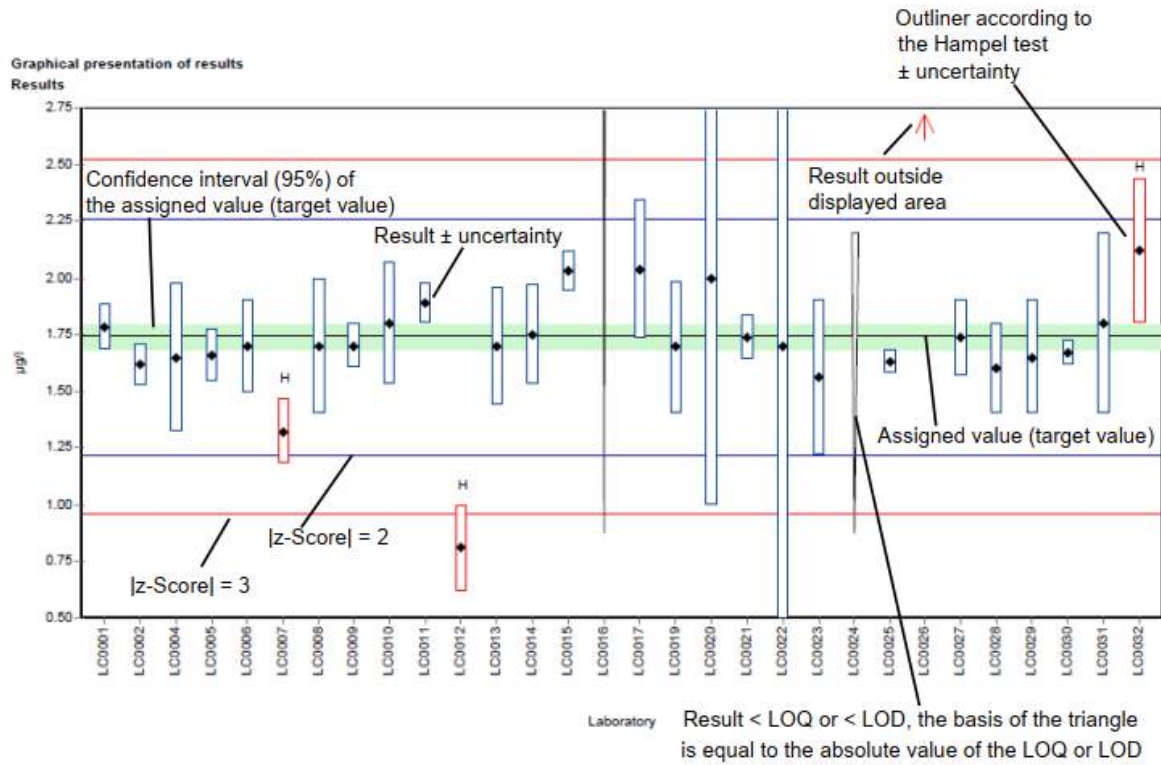
Parameter	Analyte identifier
Sample	Sample identifier
Unit	Given unit for result and uncertainty (e.g. mg/l)
Assigned value	Target value for proficiency assessment of the participants (3 significant digits)
U (k=2)	Expanded uncertainty (k=2) of the assigned value (3 significant digits)
Criteria	Specified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

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

E5.2. Graphical presentation of results

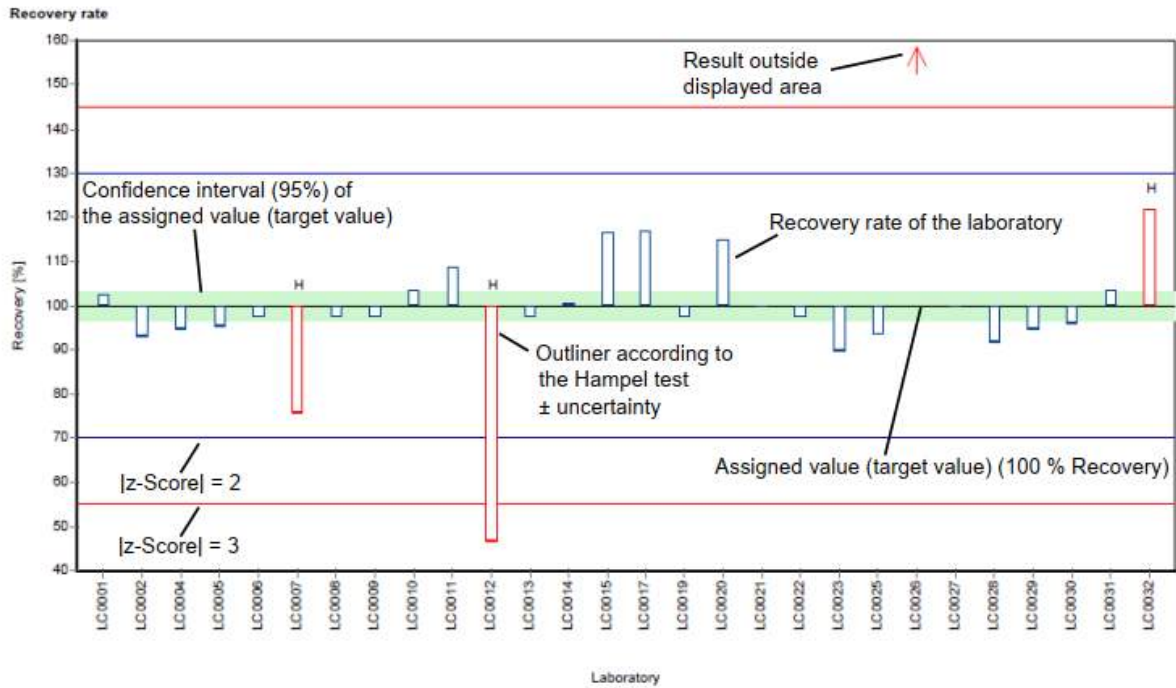
The graphic representation in the report is explained below by means of commented example diagrams:

Example chart: Results



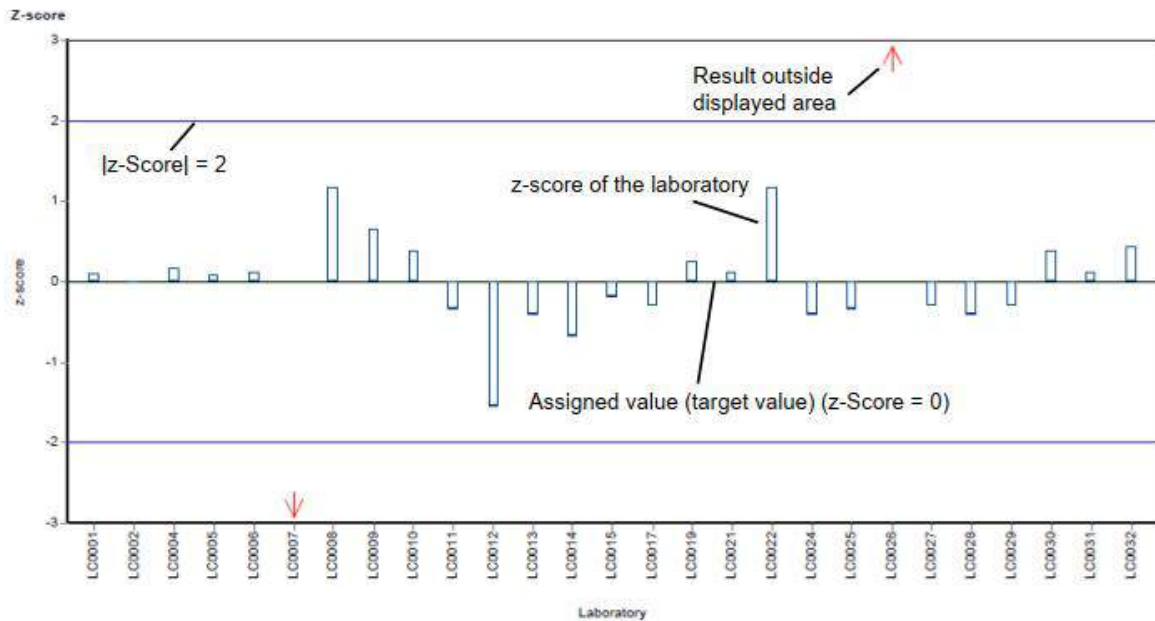
Different analysis methods are represented with different colors.

Example chart: Recovery



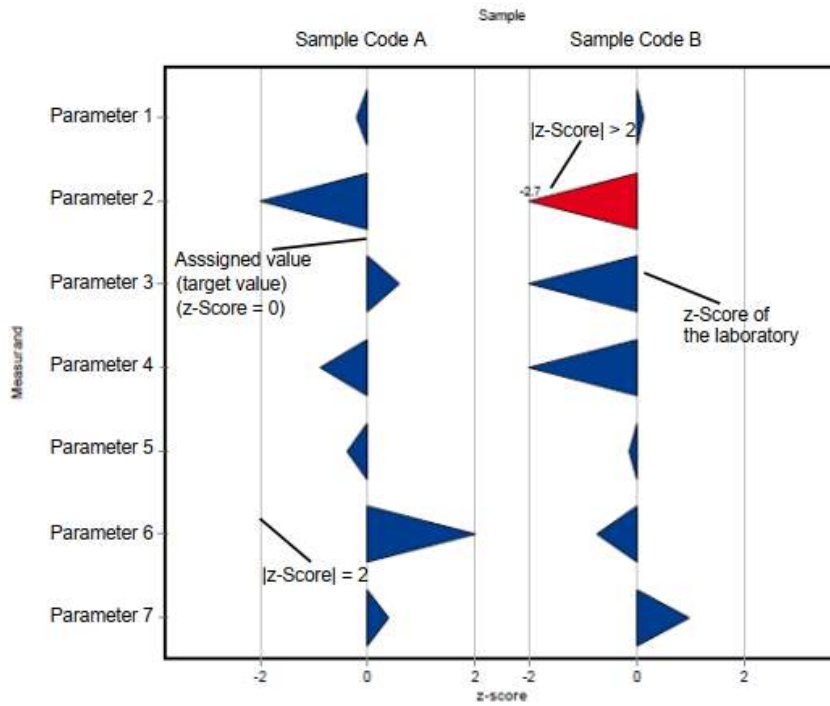
Different analysis methods are represented with different colors.

Example chart: z-Score

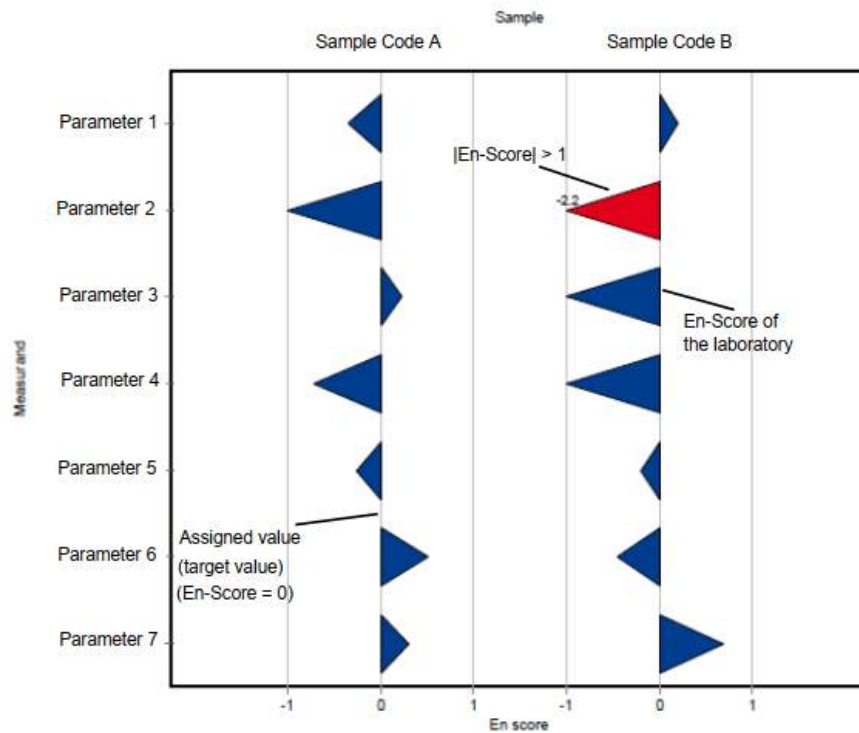


Different analysis methods are represented with different colors.

Example chart: z-Score (laboratory oriented report)



Example chart: En-Score (laboratory oriented report)



E6. Summary

E6.1. Table of assigned values

Parameter	Sample	Unit	Assigned value	±	U (k=2)	Criterion	Criterion [%]
Ammonium (as NH ₄)	N175 A	mg/l	0.0339	±	0.00218	0.00643	19
	N175 B	mg/l	0.307	±	0.00667	0.0369	12
Boron	N175 A	mg/l	0.0597	±	0.00224	0.00657	11
	N175 B	mg/l	0.0176	±	0.00104	0.00211	12
Calcium	N175 A	mg/l	165	±	1.53	5.12	3.1
	N175 B	mg/l	67.4	±	0.625	2.09	3.1
Chloride	N175 A	mg/l	102	±	0.706	4.07	4
	N175 B	mg/l	29.3	±	0.251	1.17	4
DOC (as C)	N175 A DOC	mg/l	1.48	±	0.0592	0.193	13
	N175 B DOC	mg/l	3.46	±	0.0842	0.346	10
El. conductivity (25°C)	N175 A	µS/cm	1160	±	3.02	15.1	1.3
	N175 B	µS/cm	533	±	1.36	6.93	1.3
Total-P (as PO ₄)	N175 A	mg/l	0.161	±	0.00348	0.0121	7.5
	N175 B	mg/l	2.17	±	0.0523	0.162	7.5
Total hardness	N175 A	mmol/l	5.74	±	0.0381	0.172	3
	N175 B	mmol/l	2.34	±	0.0174	0.0701	3
Total nitrogen	N175 A	mg/l	2.96	±	0.0892	0.246	8.3
	N175 B	mg/l	5.8	±	0.138	0.482	8.3
Hydrogen carbonate	N175 A	mg/l	450	±	1.44	8.99	2
	N175 B	mg/l	220	±	0.967	4.41	2
Potassium	N175 A	mg/l	2.56	±	0.0428	0.133	5.2
	N175 B	mg/l	2.58	±	0.0293	0.134	5.2
Magnesium	N175 A	mg/l	38.6	±	0.337	1.55	4
	N175 B	mg/l	15.6	±	0.182	0.622	4
Sodium	N175 A	mg/l	26.5	±	0.22	0.899	3.4
	N175 B	mg/l	16.4	±	0.195	0.558	3.4
Nitrate (as NO ₃)	N175 A	mg/l	12.6	±	0.15	0.629	5

Parameter	Sample	Unit	Assigned value	±	U (k=2)	Criterion	Criterion [%]
Nitrate (as NO ₃)	N175 B	mg/l	23.3	±	0.218	1.16	5
Nitrite (as NO ₂)	N175 A	mg/l	0.0382	±	0.001	0.00298	7.8
	N175 B	mg/l	0.678	±	0.00681	0.036	5.3
Orthophosphate (as PO ₄)	N175 A	mg/l	0.0866	±	0.00442	0.0121	14
	N175 B	mg/l	0.37	±	0.0253	0.0629	17
pH-value	N175 A	-	7.54	±	0.0389	0.151	2
	N175 B	-	7.63	±	0.0362	0.153	2
Sulfate (as SO ₄)	N175 A	mg/l	106	±	0.909	3.49	3.3
	N175 B	mg/l	32.1	±	0.266	1.06	3.3
Alkalinity Ks 4,3	N175 A	mmol/l	7.39	±	0.0212	0.148	2
	N175 B	mmol/l	3.64	±	0.0136	0.0728	2

E6.2. Summary of results, after removal of outliers

Parameter	Sample	Number of results for	Number of outliers	Unit	Mean	± CI (99%)	Minimum	Maximum	sR	vR [%]
Ammonium (as NH ₄)	N175 A	35	5	mg/l	0.0335	± 0.00323	0.0175	0.0475	0.00637	19
	N175 B	45	2	mg/l	0.307	± 0.01	0.265	0.364	0.0224	7.3
Boron	N175 A	24	0	mg/l	0.0597	± 0.00336	0.052	0.072	0.00549	9.2
	N175 B	18	2	mg/l	0.0177	± 0.00153	0.0144	0.023	0.00217	12
Calcium	N175 A	39	0	mg/l	165	± 2.29	156	179	4.77	2.9
	N175 B	37	2	mg/l	67.4	± 0.938	63.5	71.4	1.9	2.8
Chloride	N175 A	43	2	mg/l	102	± 1.06	97	108	2.31	2.3
	N175 B	43	2	mg/l	29.3	± 0.377	27.3	31	0.823	2.8
DOC (as C)	N175 A	39	2	mg/l	1.48	± 0.0888	1.11	1.94	0.185	12
	N175 B	41	1	mg/l	3.45	± 0.117	2.81	3.95	0.249	7.2
El. conductivity (25°C)	N175 A	51	3	µS/cm	1160	± 4.54	1140	1180	10.8	0.93
	N175 B	51	3	µS/cm	533	± 2.04	522	546	4.86	0.91
Total-P (as PO ₄)	N175 A	29	6	mg/l	0.161	± 0.00522	0.139	0.177	0.00937	5.8
	N175 B	32	3	mg/l	2.17	± 0.0785	1.81	2.52	0.148	6.8
Total hardness	N175 A	34	2	mmol/l	5.74	± 0.0571	5.55	5.97	0.111	1.9

Parameter	Sample	Number of results for	Number of outliers	Unit	Mean	±	CI (99%)	Minimum	Maximum	sR	vR [%]
Total hardness	N175 B	34	2	mmol/l	2.34	±	0.0261	2.21	2.45	0.0508	2.2
Total nitrogen	N175 A	25	1	mg/l	2.96	±	0.134	2.6	3.57	0.223	7.5
	N175 B	24	2	mg/l	5.8	±	0.206	5.17	6.37	0.337	5.8
Hydrogen carbonate	N175 A	36	3	mg/l	450	±	2.16	442	462	4.32	0.96
	N175 B	36	3	mg/l	220	±	1.45	212	225	2.9	1.3
Potassium	N175 A	35	3	mg/l	2.56	±	0.0642	2.27	2.84	0.127	4.9
	N175 B	32	5	mg/l	2.58	±	0.0439	2.39	2.74	0.0827	3.2
Magnesium	N175 A	37	2	mg/l	38.6	±	0.505	36	41	1.02	2.7
	N175 B	38	1	mg/l	15.6	±	0.272	14.2	16.8	0.56	3.6
Sodium	N175 A	34	4	mg/l	26.5	±	0.33	25	28	0.642	2.4
	N175 B	37	1	mg/l	16.4	±	0.293	15	17.6	0.593	3.6
Nitrate (as NO ₃)	N175 A	44	2	mg/l	12.6	±	0.213	11.5	13.6	0.471	3.7
	N175 B	43	4	mg/l	23.4	±	0.277	22.2	24.9	0.606	2.6
Nitrite (as NO ₂)	N175 A	35	7	mg/l	0.0382	±	0.00151	0.03	0.0432	0.00297	7.8
	N175 B	42	4	mg/l	0.678	±	0.0102	0.632	0.725	0.0221	3.3
Orthophosphate (as PO ₄)	N175 A	35	2	mg/l	0.0858	±	0.00622	0.0595	0.11	0.0123	14

Parameter	Sample	Number of results for	Number of outliers	Unit	Mean	±	CI (99%)	Minimum	Maximum	sR	vR [%]
Orthophosphate (as PO ₄)	N175 B	29	8	mg/l	0.38	±	0.0244	0.281	0.45	0.0439	12
pH-value	N175 A	55	0	-	7.54	±	0.0583	7.2	7.9	0.144	1.9
	N175 B	52	2	-	7.63	±	0.0543	7.34	7.97	0.131	1.7
Sulfate (as SO ₄)	N175 A	41	4	mg/l	106	±	1.36	99.5	112	2.91	2.7
	N175 B	41	4	mg/l	32.1	±	0.398	30.3	34.1	0.85	2.7
Alkalinity Ks 4,3	N175 A	45	5	mmol/l	7.39	±	0.0317	7.25	7.58	0.0709	0.96
	N175 B	43	6	mmol/l	3.64	±	0.0203	3.52	3.74	0.0445	1.2

E7. Parameterorientierte Auswertung / Parameter oriented report

Ammonium (as NH ₄).....	39
Boron	49
Calcium	59
Chloride.....	69
DOC (as C)	79
El. conductivity (25°C)	89
Total-P (as PO ₄)	99
Total hardness.....	109
Total nitrogen	119
Hydrogen carbonate.....	129
Potassium	139
Magnesium.....	149
Sodium	159
Nitrate (as NO ₃)	169
Nitrite (as NO ₂)	179
Orthophosphate (as PO ₄)	189
pH-value.....	199
Sulfate (as SO ₄).....	209
Alkalinity Ks 4,3.....	219

Parameter oriented report Nutrients/Major Ions N175

Sample: N175A, Parameter: Ammonium (as NH₄)

Parameter oriented report

N175 A

Ammonium (as NH₄)

Unit	mg/l
Assigned value ± U (k=2)	0.0339 ± 0.00218
Criterion	0.00643 (19 %)
Minimum - Maximum	0.0175 - 0.0475
Control test value ± U (k=2)	0.0421 ± 0.00589

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.0359	0.002	106	0.32	
LC0002	0.0373	0.0062	110	0.54	
LC0003	0.0328	0.001	96.9	-0.16	
LC0004	0.04	0.006	118	0.96	
LC0005	0.027	0.0026	79.8	-1.07	
LC0006	0.033	0.004	97.5	-0.13	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.0413	0.00159	122	1.16	
LC0010	0.025	0.0008	73.9	-1.38	
LC0011	< 0.06 (LOQ)	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	0.037	0.008	109	0.49	
LC0015	0.03367	0.0038	99.5	-0.03	
LC0016	0.0322	0.00199	95.1	-0.26	
LC0017	0.373	0.0559	1100	52.73	H
LC0018	-	-	-	-	
LC0019	-	-	-	-	
LC0020	0.041	0.0041	121	1.11	
LC0021	0.0235	0.004	69.4	-1.61	
LC0022	0.036	0.0036	106	0.33	
LC0023	0.029	0.008	85.7	-0.75	
LC0024	0.0384	0.0039	113	0.71	
LC0025	0.036	0.004	106	0.33	
LC0026	-	-	-	-	
LC0027	0.045	0.005	133	1.73	
LC0028	0.0224	0.003	66.2	-1.78	
LC0029	0.032	0.007	94.5	-0.29	
LC0030	< 0.0379 (LOQ)	-	-	-	
LC0031	-	-	-	-	
LC0032	-	-	-	-	
LC0033	0.0279	0.005	82.4	-0.93	
LC0034	< 0.012 (LOQ)	-	-	-	FN
LC0035	-	-	-	-	
LC0036	0.036	0.0054	106	0.33	
LC0037	0.028	0.00168	82.7	-0.91	
LC0038	0.25	0.01	739	33.61	H
LC0039	0.0597	0.012	176	4.02	H
LC0040	0.0475	0.0016	140	2.12	

Parameter oriented report Nutrients/Major Ions N175

Sample: N175A, Parameter: Ammonium (as NH₄)

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0041	-	-	-	-	
LC0042	0.0265	0.002	78.3	-1.14	
LC0043	< 0.05 (LOQ)	-	-	-	
LC0044	< 0.022 (LOQ)	-	-	-	
LC0045	0.07	0.00166	207	5.62	H
LC0046	-	-	-	-	
LC0047	0.0374	0.007	110	0.55	
LC0048	0.0175	0.00131	51.7	-2.54	
LC0049	< 0.0515 (LOQ)	-	-	-	
LC0050	-	-	-	-	
LC0051	0.0373	0.003	110	0.54	
LC0052	0.035	0.01	103	0.18	
LC0053	0.035	0.006	103	0.18	
LC0054	0.0386	0.0032	114	0.74	
LC0055	-	-	-	-	
LC0056	0.0683	0.00683	202	5.36	H
LC0057	< 0.1 (LOQ)	-	-	-	
LC0058	0.0321	0.0046	94.8	-0.27	
LC0059	-	-	-	-	
LC0060	0.03	0.003	88.6	-0.6	
LC0061	< 0.098 (LOQ)	-	-	-	
LC0062	0.03	0.006	88.6	-0.6	
LC0063	0.034	0.002	100	0.02	

Characteristics of parameter

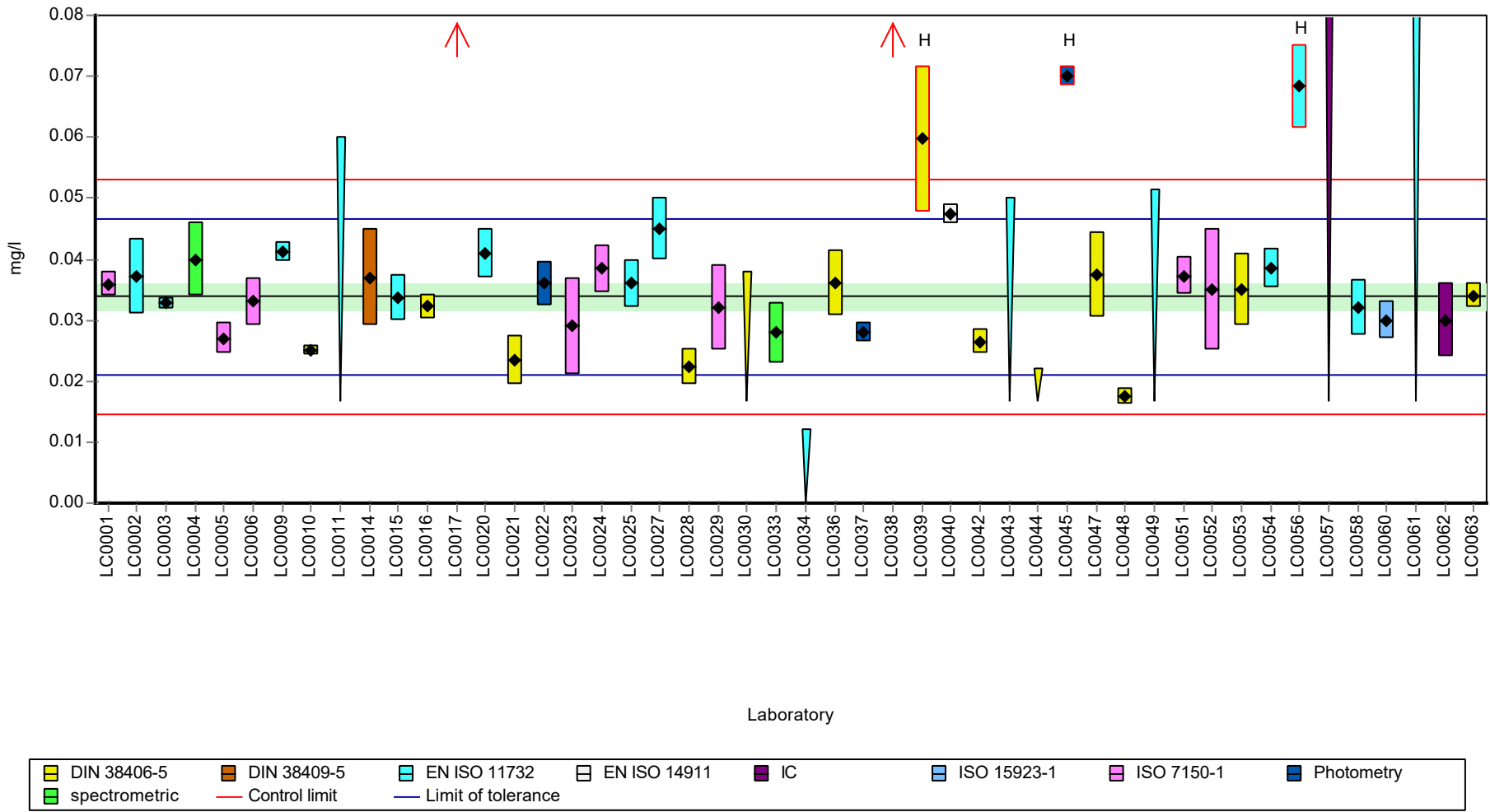
	all results	w without outliers	Unit
Mean ± CI (99%)	0.0498 ± 0.03	0.0335 ± 0.00323	mg/l
Minimum	0.0175	0.0175	mg/l
Maximum	0.373	0.0475	mg/l
Standard deviation	0.0633	0.00637	mg/l
rel. standard deviation	127	19	%
n	40	35	-

Parameter oriented report Nutrients/Major Ions N175

Sample: N175A, Parameter: Ammonium (as NH₄)

Graphical presentation of results

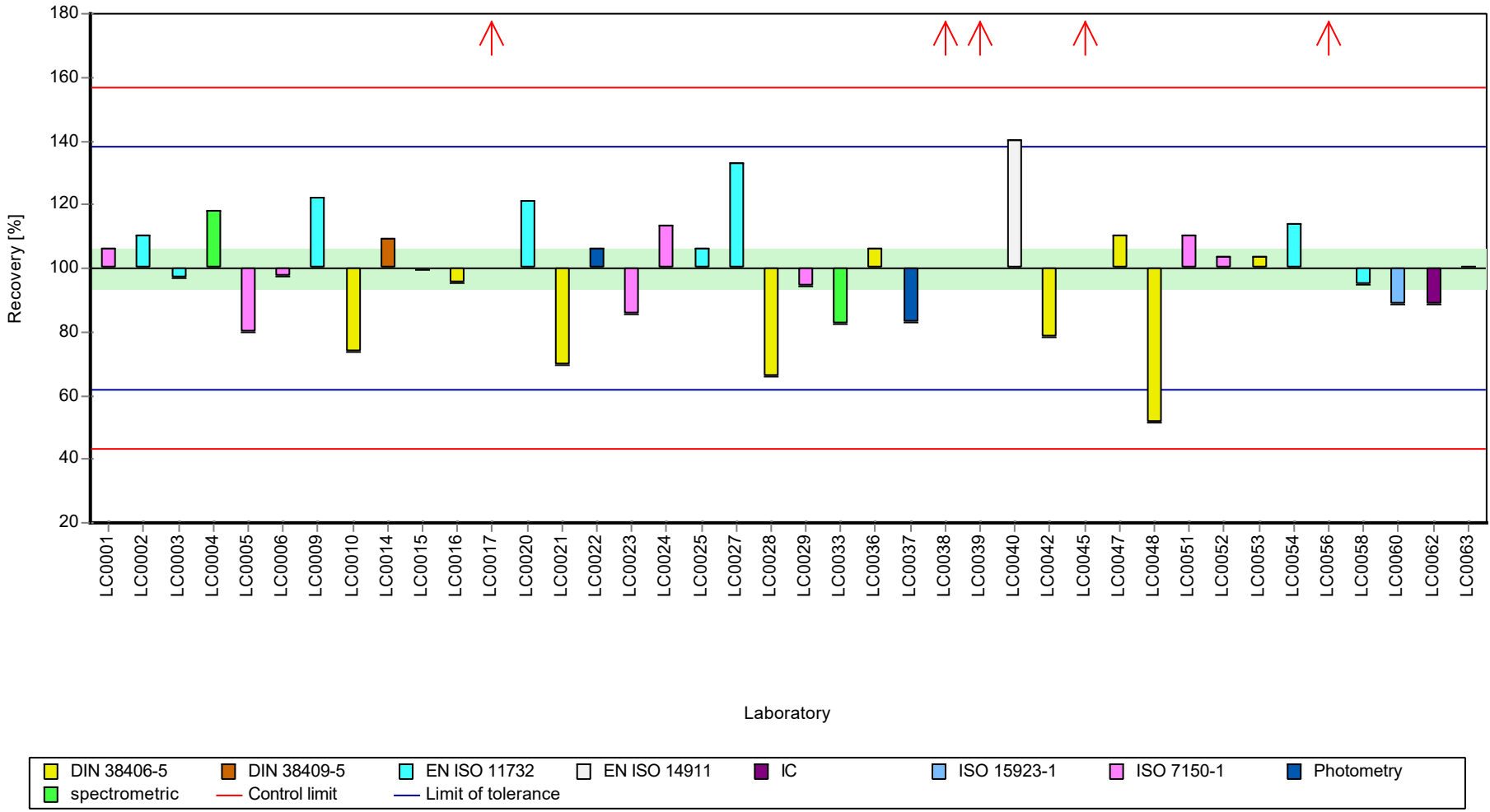
Results



Parameter oriented report Nutrients/Major Ions N175

Sample: N175A, Parameter: Ammonium (as NH4)

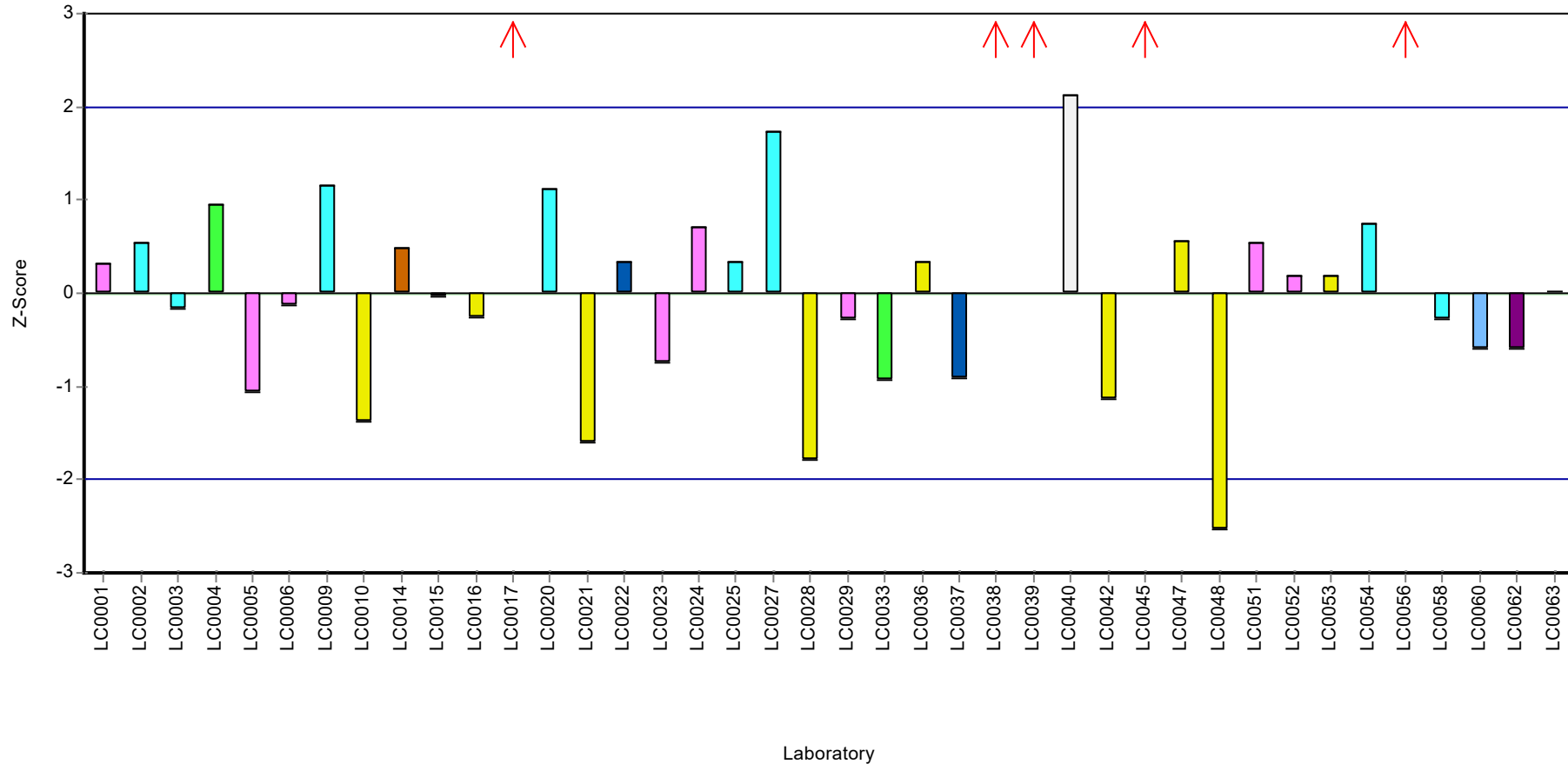
Recovery rate



Parameter oriented report Nutrients/Major Ions N175

Sample: N175A, Parameter: Ammonium (as NH4)

Z-score



Parameter oriented report Nutrients/Major Ions N175

Sample: N175B, Parameter: Ammonium (as NH₄)

Parameter oriented report

N175 B

Ammonium (as NH₄)

Unit	mg/l
Assigned value ± U (k=2)	0.307 ± 0.00667
Criterion	0.0369 (12 %)
Minimum - Maximum	0.265 - 0.364
Control test value ± U (k=2)	0.338 ± 0.0474

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.3256	0.018	106	0.5	
LC0002	0.321	0.053	104	0.37	
LC0003	0.305	0.01	99.3	-0.06	
LC0004	0.332	0.05	108	0.67	
LC0005	0.283	0.0269	92.1	-0.66	
LC0006	0.293	0.04	95.4	-0.39	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.339	0.00807	110	0.86	
LC0010	0.2935	0.00936	95.5	-0.37	
LC0011	0.287	0.0282	93.4	-0.55	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	0.364	0.076	118	1.54	
LC0015	0.2867	0.043	93.3	-0.56	
LC0016	0.303	0.0205	98.6	-0.11	
LC0017	0.284	0.043	92.4	-0.63	
LC0018	-	-	-	-	
LC0019	-	-	-	-	
LC0020	0.288	0.029	93.7	-0.52	
LC0021	0.2903	0.044	94.5	-0.46	
LC0022	0.269	0.027	87.6	-1.04	
LC0023	0.286	0.041	93.1	-0.58	
LC0024	0.328	0.025	107	0.56	
LC0025	0.3	0.03	97.6	-0.2	
LC0026	-	-	-	-	
LC0027	0.34	0.04	111	0.89	
LC0028	0.3466	0.003	113	1.07	
LC0029	0.33	0.075	107	0.62	
LC0030	0.298	0.00775	97	-0.25	
LC0031	-	-	-	-	
LC0032	-	-	-	-	
LC0033	0.2994	0.057	97.5	-0.21	
LC0034	0.298	0.069	97	-0.25	
LC0035	-	-	-	-	
LC0036	0.302	0.0453	98.3	-0.14	
LC0037	0.289	0.01734	94.1	-0.49	
LC0038	0.37	0.02	120	1.7	H
LC0039	0.338	0.066	110	0.83	
LC0040	0.32	0.011	104	0.35	

Parameter oriented report Nutrients/Major Ions N175

Sample: N175B, Parameter: Ammonium (as NH₄)

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0041	-	-	-	-	
LC0042	0.265	0.016	86.3	-1.15	
LC0043	0.3	0.023	97.6	-0.2	
LC0044	0.2963	0.0234	96.4	-0.3	
LC0045	0.35	0.0083	114	1.16	
LC0046	-	-	-	-	
LC0047	0.301	0.06	98	-0.17	
LC0048	0.151	0.01133	49.1	-4.24	H
LC0049	0.321	0.0482	104	0.37	
LC0050	-	-	-	-	
LC0051	0.302	0.024	98.3	-0.14	
LC0052	0.324	0.03	105	0.45	
LC0053	0.295	0.046	96	-0.33	
LC0054	0.309	0.025	101	0.05	
LC0055	-	-	-	-	
LC0056	0.316	0.0316	103	0.24	
LC0057	< 0.1 (LOQ)	-	-	-	FN
LC0058	0.294	0.042	95.7	-0.36	
LC0059	-	-	-	-	
LC0060	0.335	0.003	109	0.75	
LC0061	0.288	0.0121	93.7	-0.52	
LC0062	0.285	0.06	92.8	-0.6	
LC0063	0.305	0.02	99.3	-0.06	

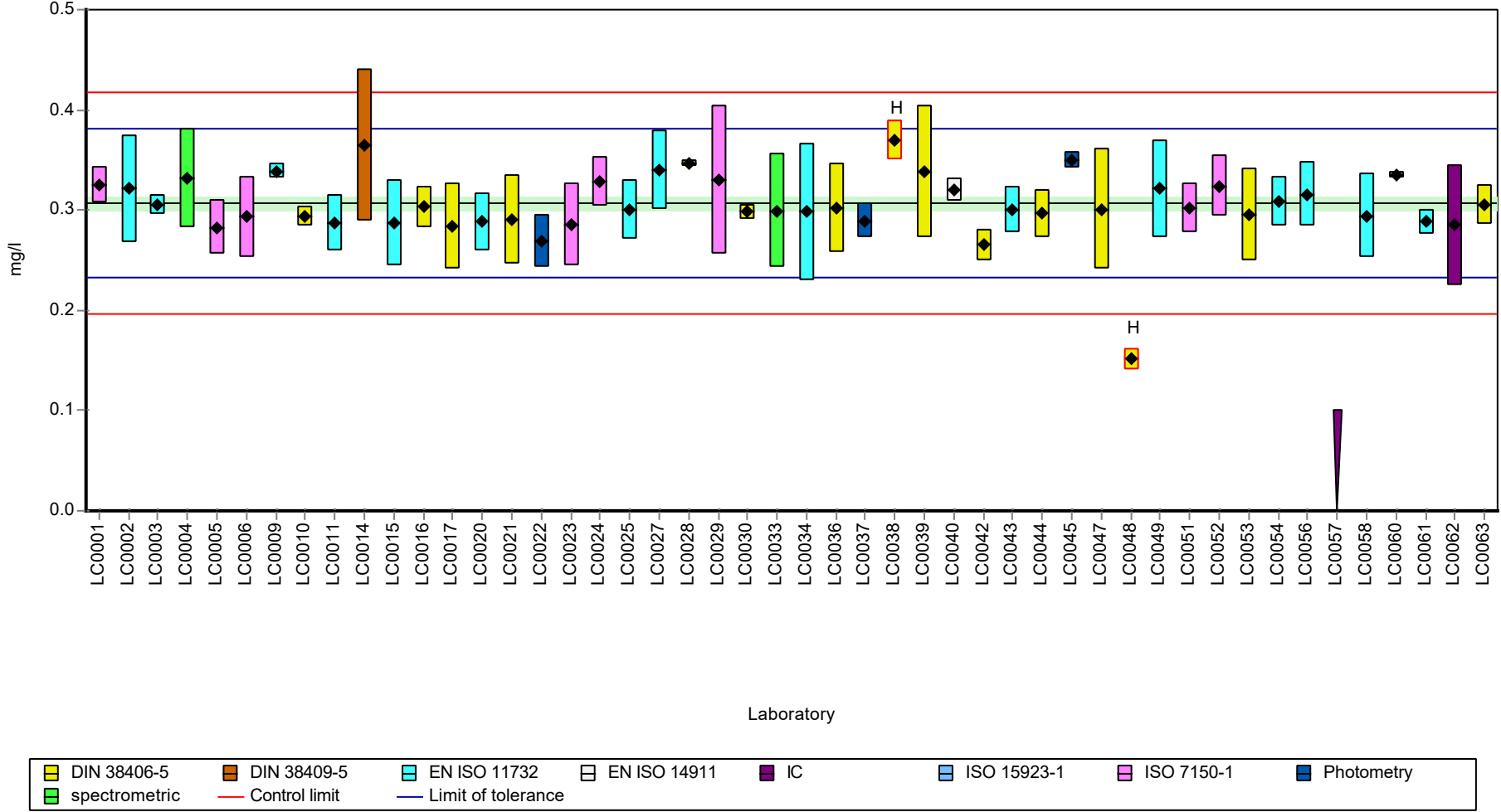
Characteristics of parameter

	all results	w without outliers	Unit
Mean ± CI (99%)	0.305 ± 0.0145	0.307 ± 0.01	mg/l
Minimum	0.151	0.265	mg/l
Maximum	0.37	0.364	mg/l
Standard deviation	0.033	0.0224	mg/l
rel. standard deviation	10.8	7.28	%
n	47	45	-

Parameter oriented report Nutrients/Major Ions N175

Sample: N175B, Parameter: Ammonium (as NH4)

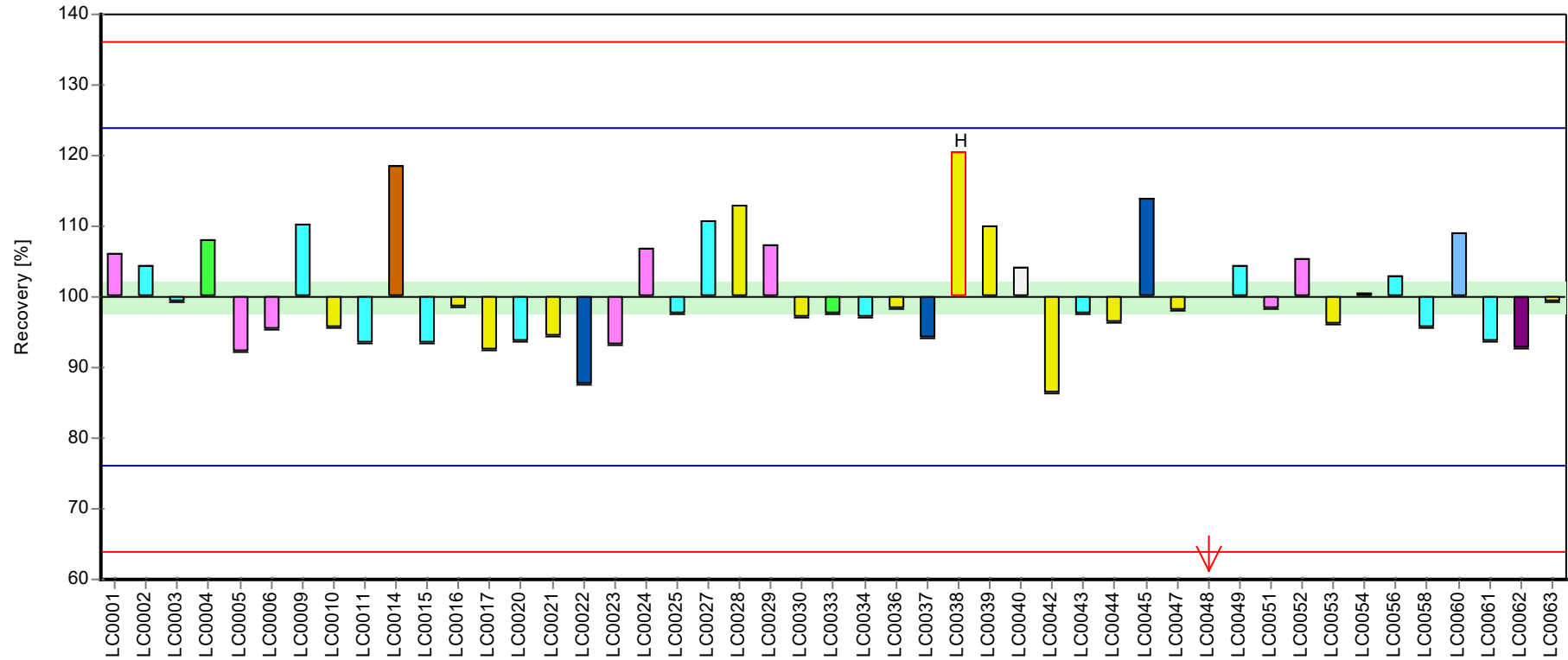
Graphical presentation of results
Results



Parameter oriented report Nutrients/Major Ions N175

Sample: N175B, Parameter: Ammonium (as NH₄)

Recovery rate



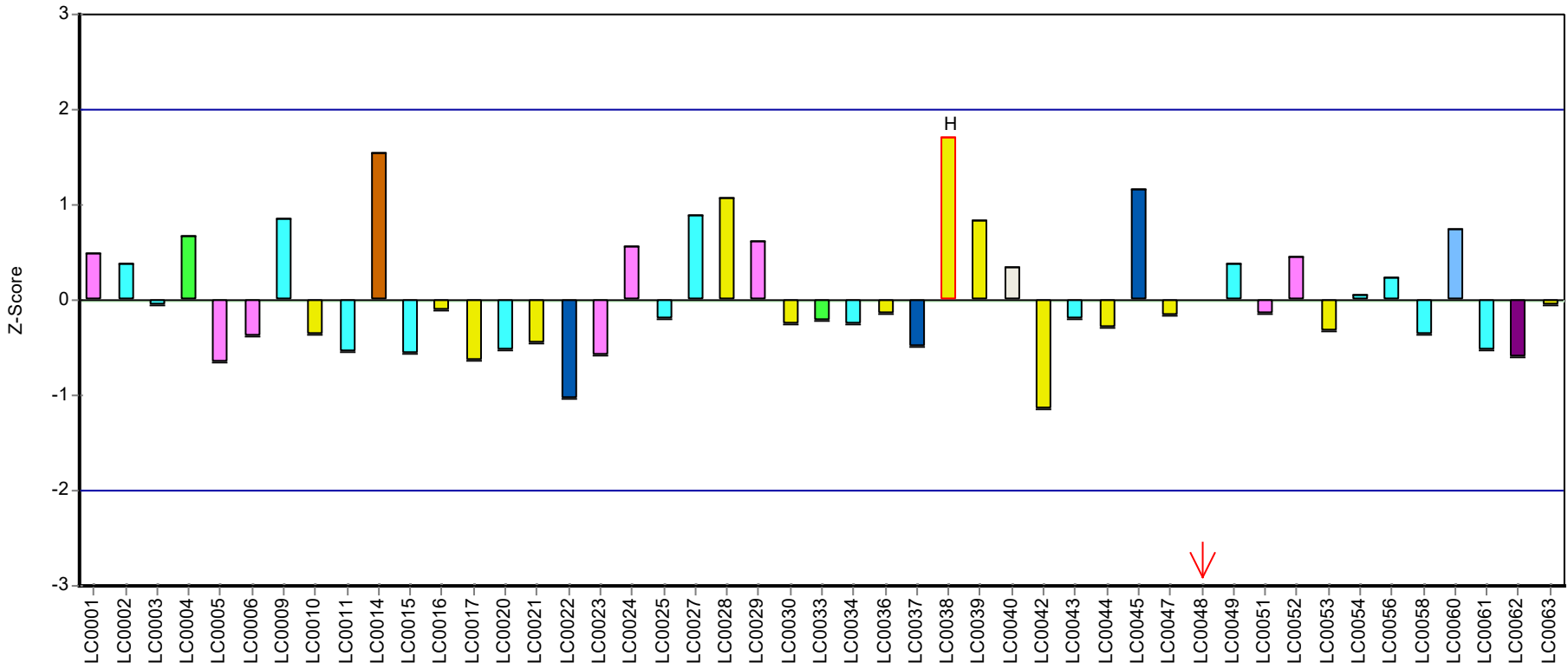
Laboratory



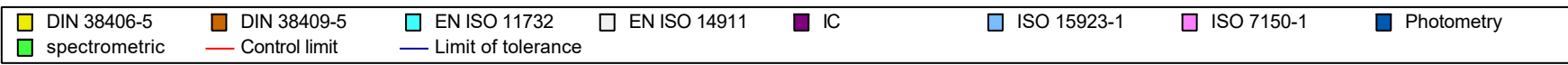
Parameter oriented report Nutrients/Major Ions N175

Sample: N175B, Parameter: Ammonium (as NH4)

Z-score



Laboratory



Parameter oriented report Nutrients/Major Ions N175

Sample: N175A, Parameter: Boron

Parameter oriented report

N175 A

Boron

Unit	mg/l
Assigned value ± U (k=2)	0.0597 ± 0.00224
Criterion	0.00657 (11 %)
Minimum - Maximum	0.052 - 0.072
Control test value ± U (k=2)	0.0538 ± 0.0108

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.0584	0.015	97.8	-0.2	
LC0002	-	-	-	-	
LC0003	0.053	0.002	88.8	-1.02	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.059	0.00059	98.8	-0.11	
LC0010	-	-	-	-	
LC0011	0.0677	0.00948	113	1.22	
LC0012	0.0627	0.00627	105	0.46	
LC0013	-	-	-	-	
LC0014	0.0601	0.006	101	0.06	
LC0015	0.05815	0.00872	97.4	-0.24	
LC0016	0.0539	0.0019	90.3	-0.88	
LC0017	0.0618	0.0048	103	0.32	
LC0018	-	-	-	-	
LC0019	-	-	-	-	
LC0020	0.06	0.006	100	0.04	
LC0021	-	-	-	-	
LC0022	-	-	-	-	
LC0023	-	-	-	-	
LC0024	0.0571	0.0023	95.6	-0.4	
LC0025	0.0579	0.008	97	-0.28	
LC0026	0.063	0.006	106	0.5	
LC0027	-	-	-	-	
LC0028	-	-	-	-	
LC0029	-	-	-	-	
LC0030	-	-	-	-	
LC0031	-	-	-	-	
LC0032	-	-	-	-	
LC0033	-	-	-	-	
LC0034	-	-	-	-	
LC0035	-	-	-	-	
LC0036	0.0621	0.0093	104	0.36	
LC0037	-	-	-	-	
LC0038	< 0.1 (LOQ)	-	-	-	
LC0039	0.06	0.006	100	0.04	
LC0040	-	-	-	-	

Parameter oriented report Nutrients/Major Ions N175

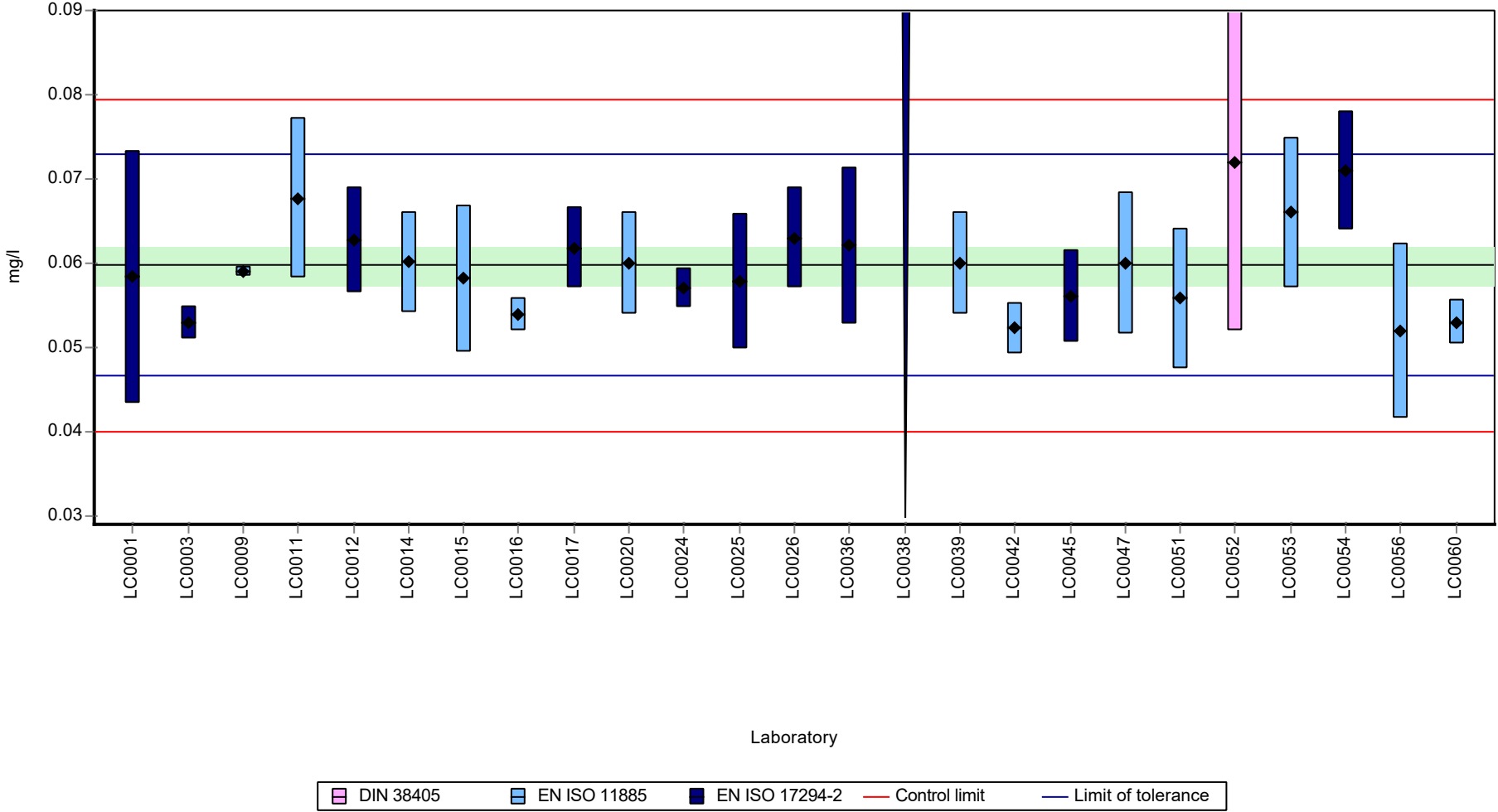
Sample: N175A, Parameter: Boron

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0041	-	-	-	-	
LC0042	0.0523	0.003	87.6	-1.13	
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	0.0561	0.00553	94	-0.55	
LC0046	-	-	-	-	
LC0047	0.06	0.0084	100	0.04	
LC0048	-	-	-	-	
LC0049	-	-	-	-	
LC0050	-	-	-	-	
LC0051	0.0558	0.0084	93.5	-0.6	
LC0052	0.072	0.02	121	1.87	
LC0053	0.066	0.009	111	0.96	
LC0054	0.071	0.0071	119	1.72	
LC0055	-	-	-	-	
LC0056	0.052	0.0104	87.1	-1.17	
LC0057	-	-	-	-	
LC0058	-	-	-	-	
LC0059	-	-	-	-	
LC0060	0.053	0.00265	88.8	-1.02	
LC0061	-	-	-	-	
LC0062	-	-	-	-	
LC0063	-	-	-	-	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.0597 ± 0.00336	0.0597 ± 0.00336	mg/l
Minimum	0.052	0.052	mg/l
Maximum	0.072	0.072	mg/l
Standard deviation	0.00549	0.00549	mg/l
rel. standard deviation	9.2	9.2	%
n	24	24	-

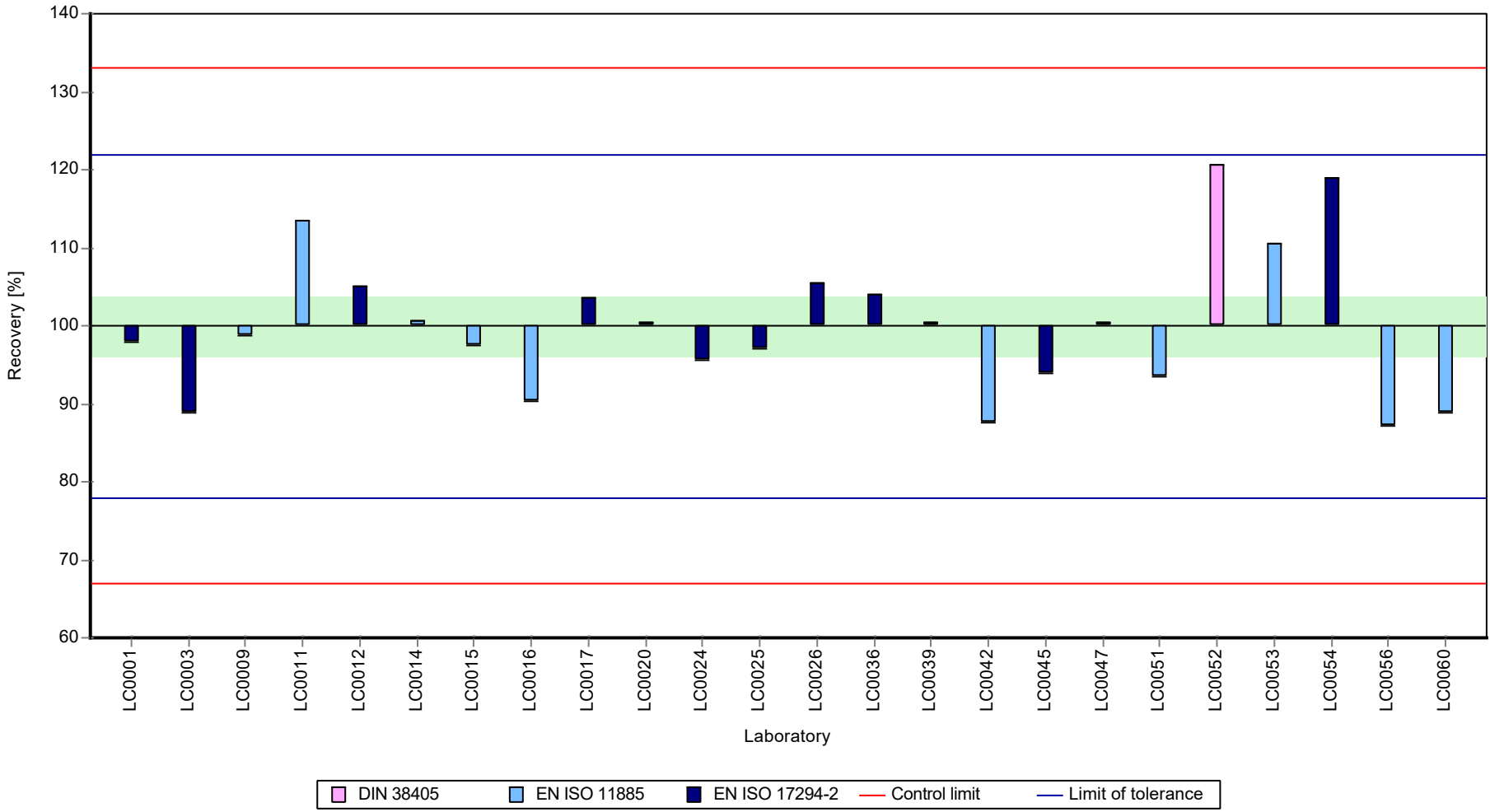
Graphical presentation of results
 Results



Parameter oriented report Nutrients/Major Ions N175

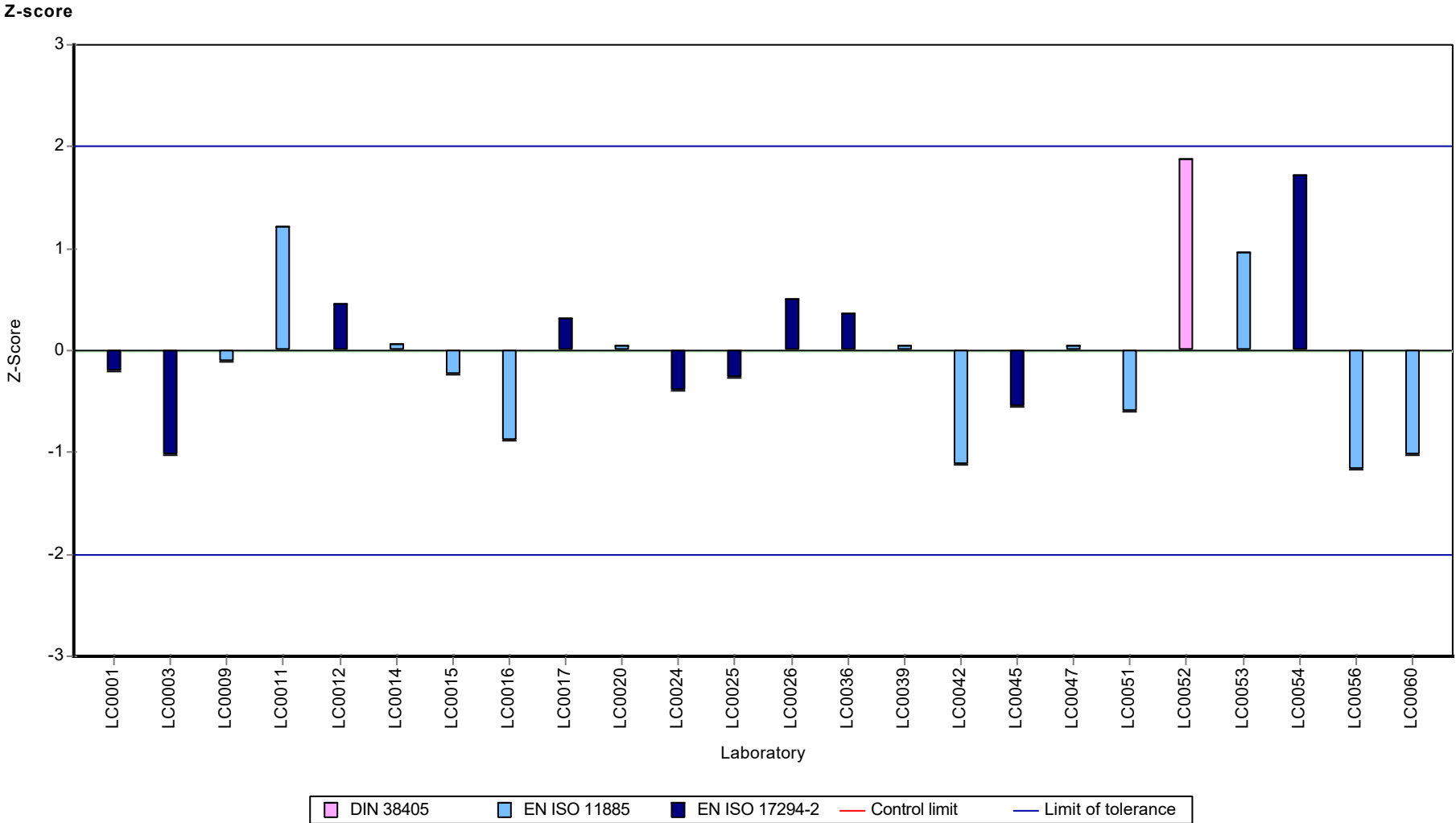
Sample: N175A, Parameter: Boron

Recovery rate



Parameter oriented report Nutrients/Major Ions N175

Sample: N175A, Parameter: Boron



Parameter oriented report Nutrients/Major Ions N175

Sample: N175B, Parameter: Boron

Parameter oriented report

N175 B

Boron

Unit mg/l
Assigned value ± U (k=2) 0.0176 ± 0.00104
Criterion 0.00211 (12 %)
Minimum - Maximum 0.0144 - 0.023
Control test value ± U (k=2) <0.025 (LOD)

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	< 0.0236 (LOQ)	-	-	-	
LC0002	-	-	-	-	
LC0003	0.0167	0.0005	95.1	-0.41	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	< 0.02 (LOQ)	-	-	-	
LC0010	-	-	-	-	
LC0011	0.0184	0.00257	105	0.4	
LC0012	0.0194	0.00194	111	0.88	
LC0013	-	-	-	-	
LC0014	0.0171	0.0017	97.4	-0.22	
LC0015	0.01694	0.0025	96.5	-0.29	
LC0016	0.015	0.0005	85.4	-1.21	
LC0017	0.0177	0.0027	101	0.07	
LC0018	-	-	-	-	
LC0019	-	-	-	-	
LC0020	0.0182	0.0018	104	0.31	
LC0021	-	-	-	-	
LC0022	-	-	-	-	
LC0023	-	-	-	-	
LC0024	0.0166	0.002	94.6	-0.45	
LC0025	0.0175	0.002	99.7	-0.03	
LC0026	0.02	0.002	114	1.16	
LC0027	-	-	-	-	
LC0028	-	-	-	-	
LC0029	-	-	-	-	
LC0030	-	-	-	-	
LC0031	-	-	-	-	
LC0032	-	-	-	-	
LC0033	-	-	-	-	
LC0034	-	-	-	-	
LC0035	-	-	-	-	
LC0036	0.0173	0.0026	98.5	-0.12	
LC0037	-	-	-	-	
LC0038	< 100 (LOQ)	-	-	-	
LC0039	0.021	0.0021	120	1.64	
LC0040	-	-	-	-	

Parameter oriented report Nutrients/Major Ions N175

Sample: N175B, Parameter: Boron

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0041	-	-	-	-	
LC0042	0.0182	0.001	104	0.31	
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	0.0389	0.00383	222	10.13	H
LC0046	-	-	-	-	
LC0047	0.016	0.002	91.1	-0.74	
LC0048	-	-	-	-	
LC0049	-	-	-	-	
LC0050	-	-	-	-	
LC0051	0.0144	0.0022	82	-1.5	
LC0052	0.032	0.02	182	6.86	H
LC0053	-	-	-	-	
LC0054	0.023	0.0023	131	2.58	
LC0055	-	-	-	-	
LC0056	< 0.05 (LOQ)	-	-	-	
LC0057	-	-	-	-	
LC0058	-	-	-	-	
LC0059	-	-	-	-	
LC0060	0.015	0.00265	85.4	-1.21	
LC0061	-	-	-	-	
LC0062	-	-	-	-	
LC0063	-	-	-	-	

Characteristics of parameter

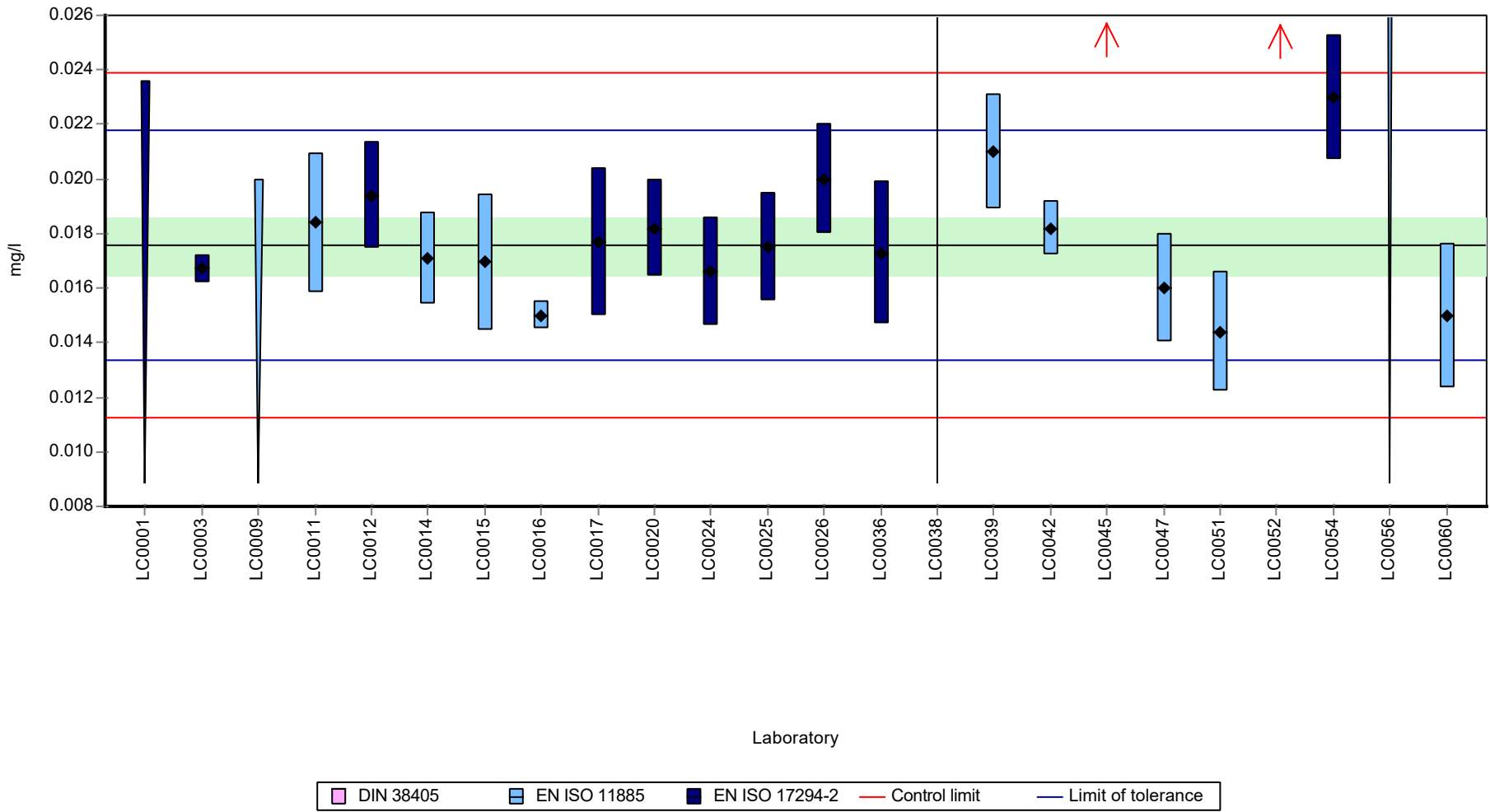
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.0195 ± 0.00399	0.0177 ± 0.00153	mg/l
Minimum	0.0144	0.0144	mg/l
Maximum	0.0389	0.023	mg/l
Standard deviation	0.00594	0.00217	mg/l
rel. standard deviation	30.5	12.3	%
n	20	18	-

Parameter oriented report Nutrients/Major Ions N175

Sample: N175B, Parameter: Boron

Graphical presentation of results

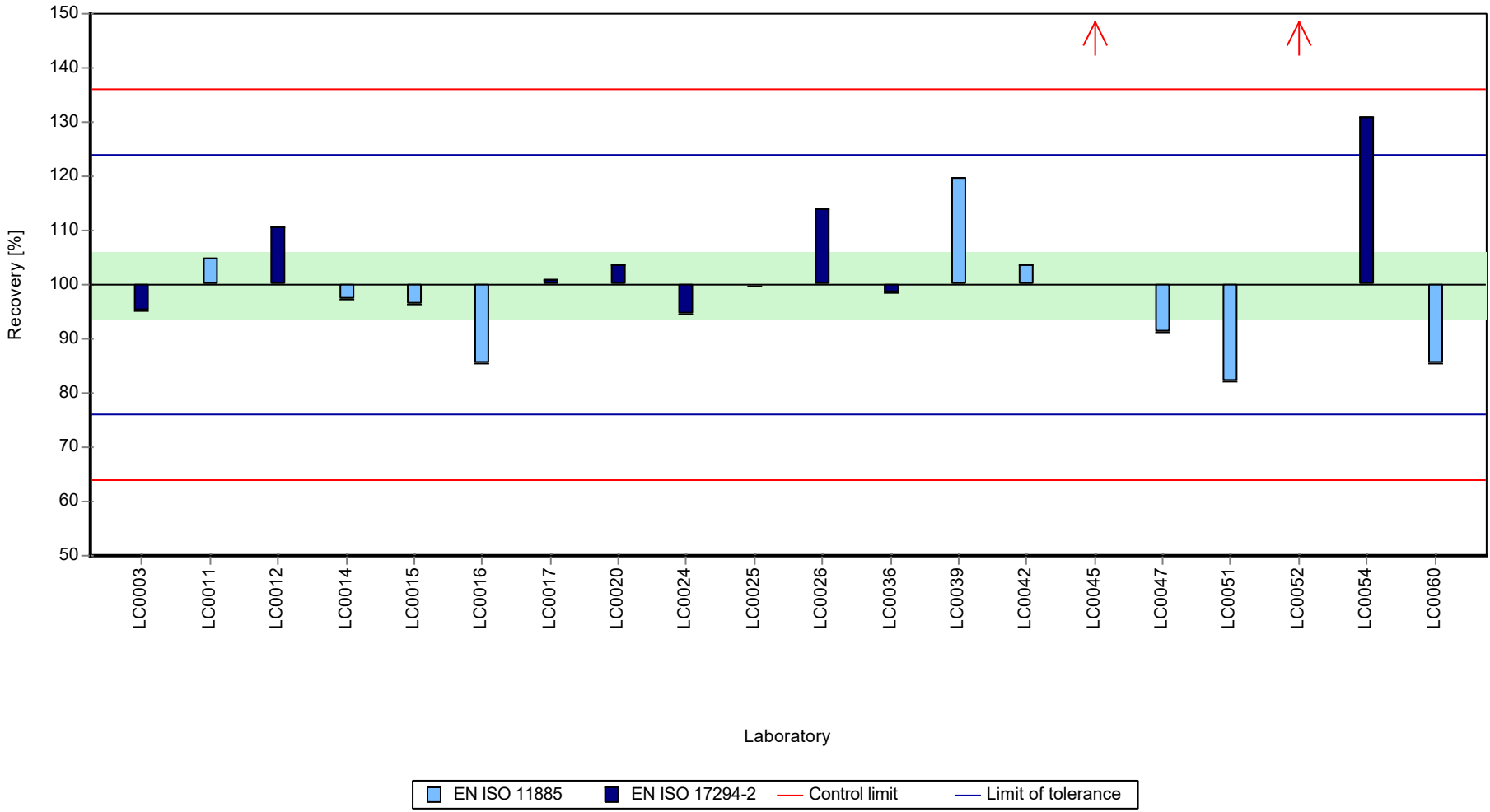
Results



Parameter oriented report Nutrients/Major Ions N175

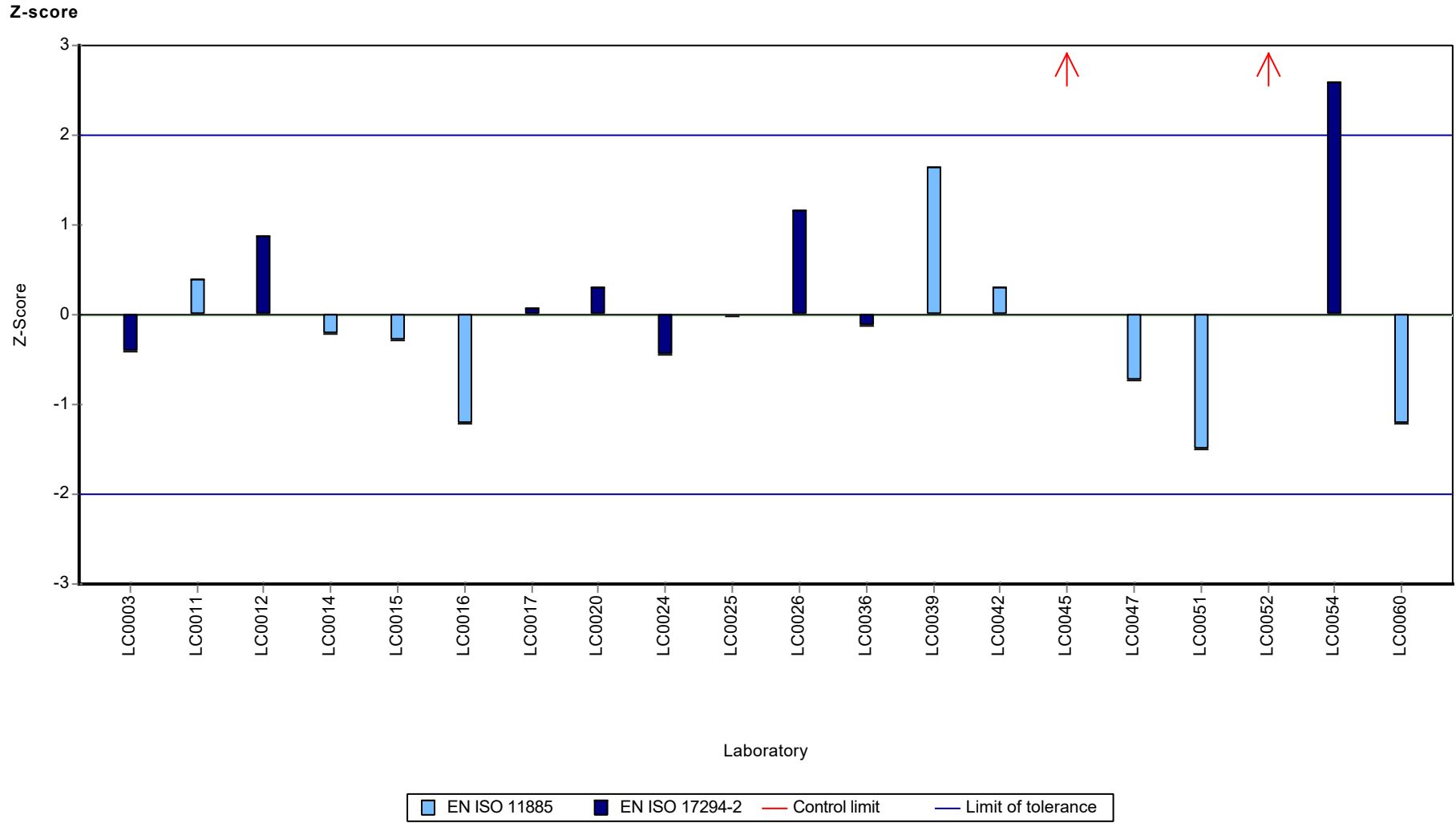
Sample: N175B, Parameter: Boron

Recovery rate



Parameter oriented report Nutrients/Major Ions N175

Sample: N175B, Parameter: Boron



Parameter oriented report Nutrients/Major Ions N175

Sample: N175A, Parameter: Calcium

Parameter oriented report

N175 A

Calcium

Unit	mg/l
Assigned value ± U (k=2)	165 ± 1.53
Criterion	5.12 (3.1 %)
Minimum - Maximum	156 - 179
Control test value ± U (k=2)	157.0 ± 31.4

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	160	32	96.9	-1.01	
LC0002	161	13	97.5	-0.82	
LC0003	169	4.7	102	0.75	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	169	14	102	0.75	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	165	1.88	99.9	-0.03	
LC0010	171	6.57	104	1.14	
LC0011	170	8.49	103	0.94	
LC0012	173.6	8.68	105	1.65	
LC0013	-	-	-	-	
LC0014	169	10	102	0.75	
LC0015	161.3	24.2	97.7	-0.76	
LC0016	167	2.5	101	0.36	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	-	-	-	-	
LC0020	160	16	96.9	-1.01	
LC0021	168	8.351	102	0.55	
LC0022	160.7	8	97.3	-0.87	
LC0023	165	16.17	99.9	-0.03	
LC0024	172	3.4	104	1.33	
LC0025	164.927	22.678	99.8	-0.05	
LC0026	160.7	16	97.3	-0.87	
LC0027	-	-	-	-	
LC0028	160.95	1	97.4	-0.83	
LC0029	167.1	22.29	101	0.38	
LC0030	-	-	-	-	
LC0031	-	-	-	-	
LC0032	-	-	-	-	
LC0033	165.65	6.46	100	0.09	
LC0034	-	-	-	-	
LC0035	-	-	-	-	
LC0036	163	16	98.7	-0.42	
LC0037	165.62	2.64992	100	0.09	
LC0038	172	17	104	1.33	
LC0039	158.64	15.86	96	-1.28	
LC0040	-	-	-	-	

Parameter oriented report Nutrients/Major Ions N175

Sample: N175A, Parameter: Calcium

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0041	165	41	99.9	-0.03	
LC0042	157	6.64	95.1	-1.6	
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	156	11.0604	94.4	-1.79	
LC0046	-	-	-	-	
LC0047	164	13.1	99.3	-0.23	
LC0048	-	-	-	-	
LC0049	-	-	-	-	
LC0050	-	-	-	-	
LC0051	164	25	99.3	-0.23	
LC0052	164	10	99.3	-0.23	
LC0053	163.8	17.4	99.2	-0.27	
LC0054	164	8	99.3	-0.23	
LC0055	-	-	-	-	
LC0056	169.57	12.83645	103	0.86	
LC0057	166	13	100	0.16	
LC0058	163	13	98.7	-0.42	
LC0059	-	-	-	-	
LC0060	161	8.05	97.5	-0.82	
LC0061	-	-	-	-	
LC0062	165.3	16.5	100	0.02	
LC0063	179	7	108	2.7	

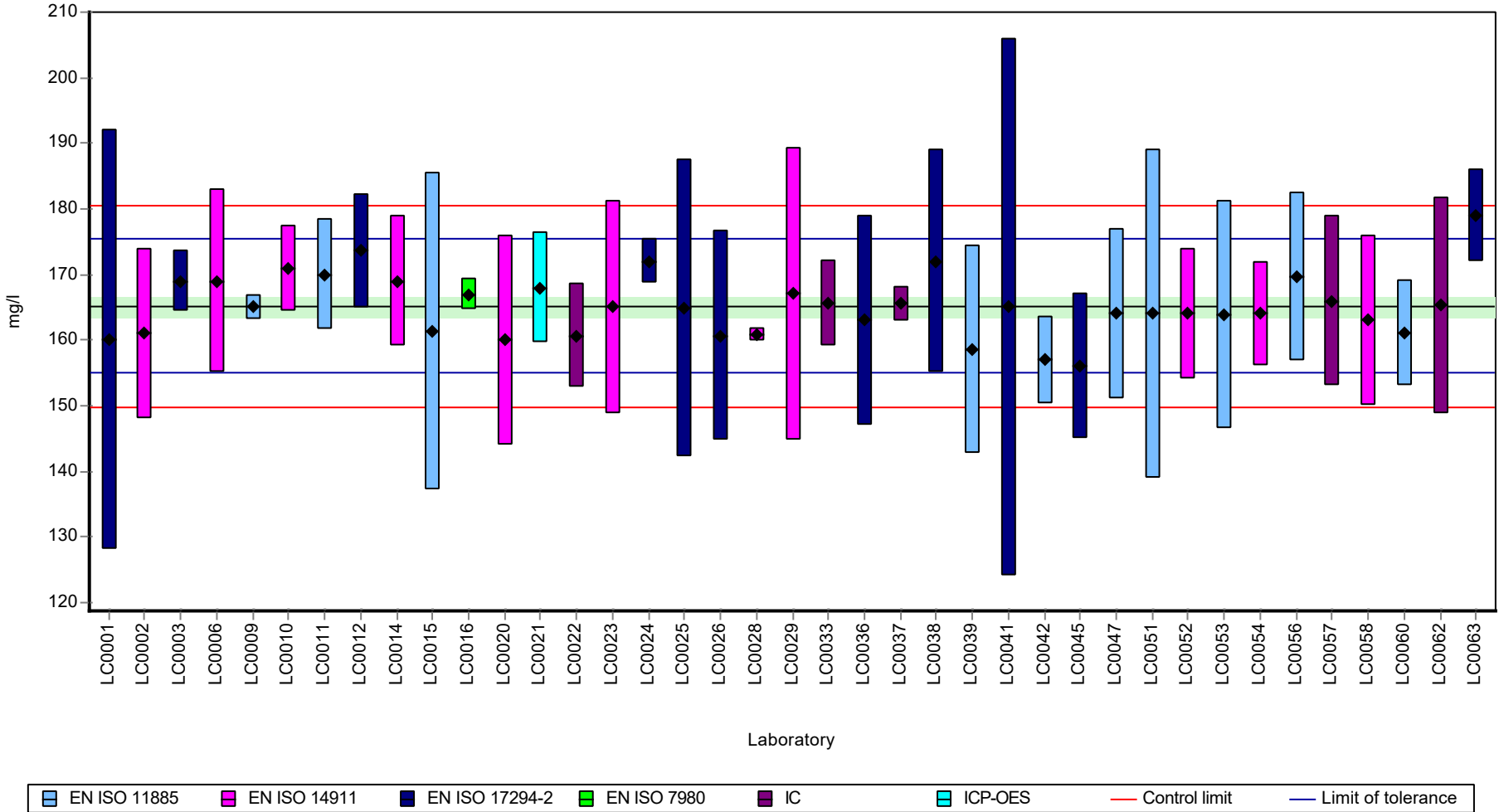
Characteristics of parameter

	all results	w without outliers	Unit
Mean ± CI (99%)	165 ± 2.29	165 ± 2.29	mg/l
Minimum	156	156	mg/l
Maximum	179	179	mg/l
Standard deviation	4.77	4.77	mg/l
rel. standard deviation	2.89	2.89	%
n	39	39	-

Parameter oriented report Nutrients/Major Ions N175

Sample: N175A, Parameter: Calcium

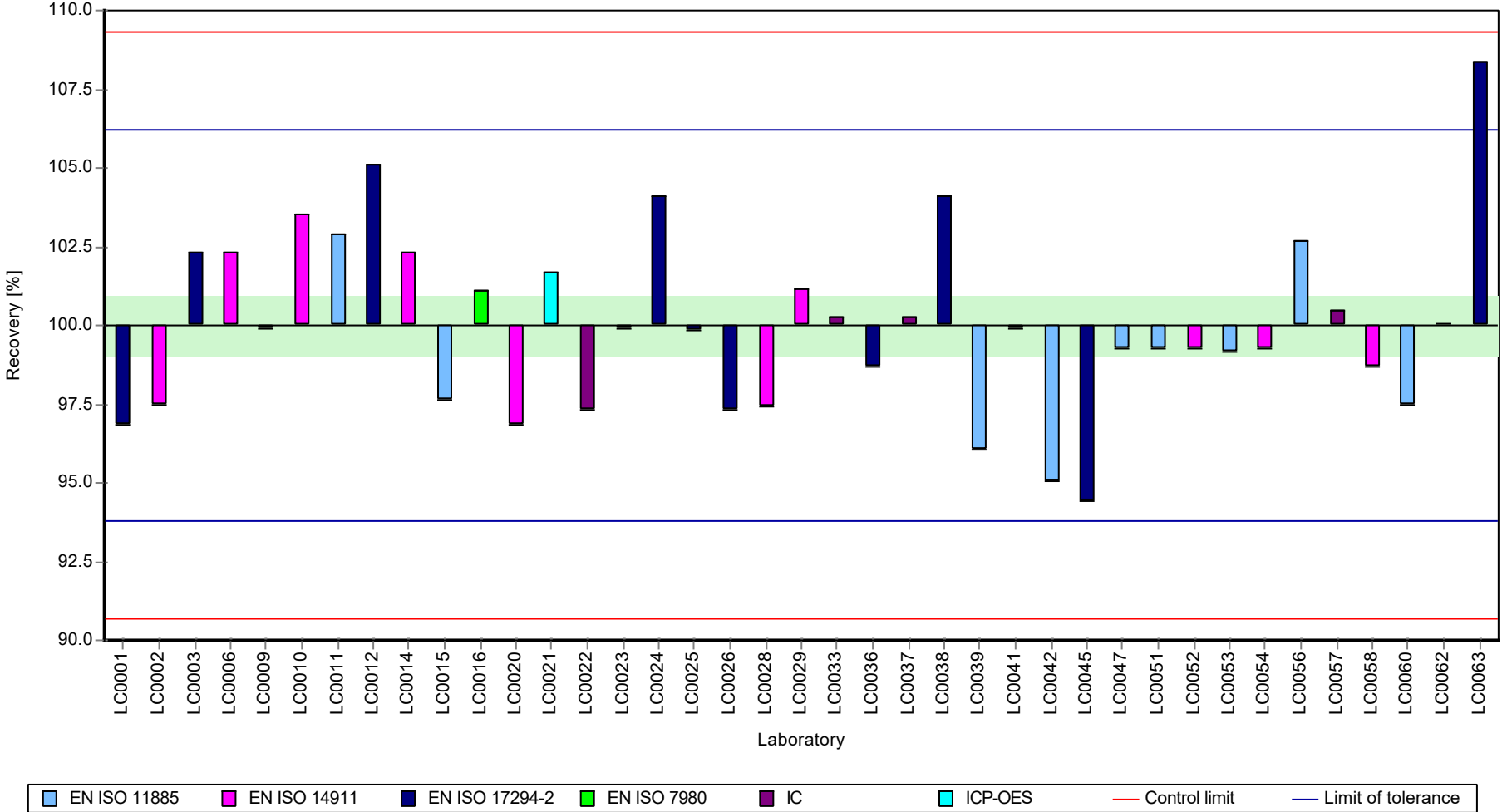
Graphical presentation of results
 Results



Parameter oriented report Nutrients/Major Ions N175

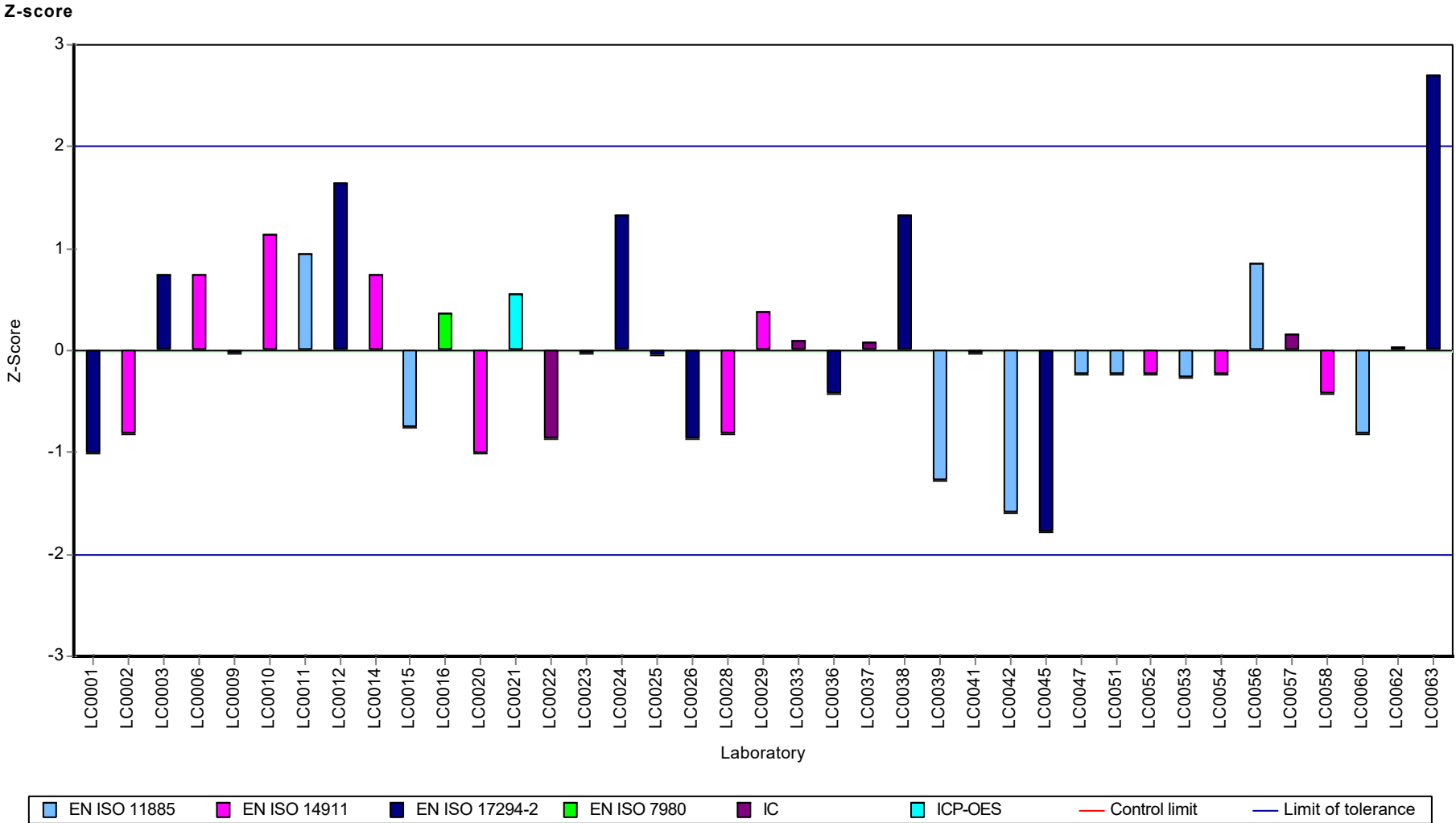
Sample: N175A, Parameter: Calcium

Recovery rate



Parameter oriented report Nutrients/Major Ions N175

Sample: N175A, Parameter: Calcium



Parameter oriented report Nutrients/Major Ions N175

Sample: N175B, Parameter: Calcium

Parameter oriented report

N175 B

Calcium

Unit	mg/l
Assigned value ± U (k=2)	67.4 ± 0.625
Criterion	2.09 (3.1 %)
Minimum - Maximum	63.5 - 71.4
Control test value ± U (k=2)	64.8 ± 13.0

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	65.4	13.1	97	-0.96	
LC0002	66.5	5.5	98.7	-0.43	
LC0003	68.2	0.71	101	0.38	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	67.1	6	99.6	-0.14	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	70	0.378	104	1.24	
LC0010	71.269	2.737	106	1.85	
LC0011	68.8	3.44	102	0.67	
LC0012	68.24	6.82	101	0.4	
LC0013	-	-	-	-	
LC0014	68	4	101	0.29	
LC0015	66.88	10.02	99.2	-0.25	
LC0016	68.5	1.3	102	0.53	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	-	-	-	-	
LC0020	68.6	6.9	102	0.57	
LC0021	67.86	3.462	101	0.22	
LC0022	63.9	3.2	94.8	-1.68	
LC0023	67.4	6.61	100	0.00	
LC0024	68.6	1.28	102	0.57	
LC0025	67.363	9.262	99.9	-0.02	
LC0026	63.7	6.4	94.5	-1.77	
LC0027	-	-	-	-	
LC0028	66.06	1	98	-0.64	
LC0029	64.4	8.59	95.5	-1.44	
LC0030	-	-	-	-	
LC0031	-	-	-	-	
LC0032	-	-	-	-	
LC0033	66.52	2.59	98.7	-0.42	
LC0034	-	-	-	-	
LC0035	-	-	-	-	
LC0036	66.1	6.6	98.1	-0.62	
LC0037	68.9	2.756	102	0.72	
LC0038	69.4	6.9	103	0.96	
LC0039	67.09	6.71	99.5	-0.15	
LC0040	-	-	-	-	

Parameter oriented report Nutrients/Major Ions N175

Sample: N175B, Parameter: Calcium

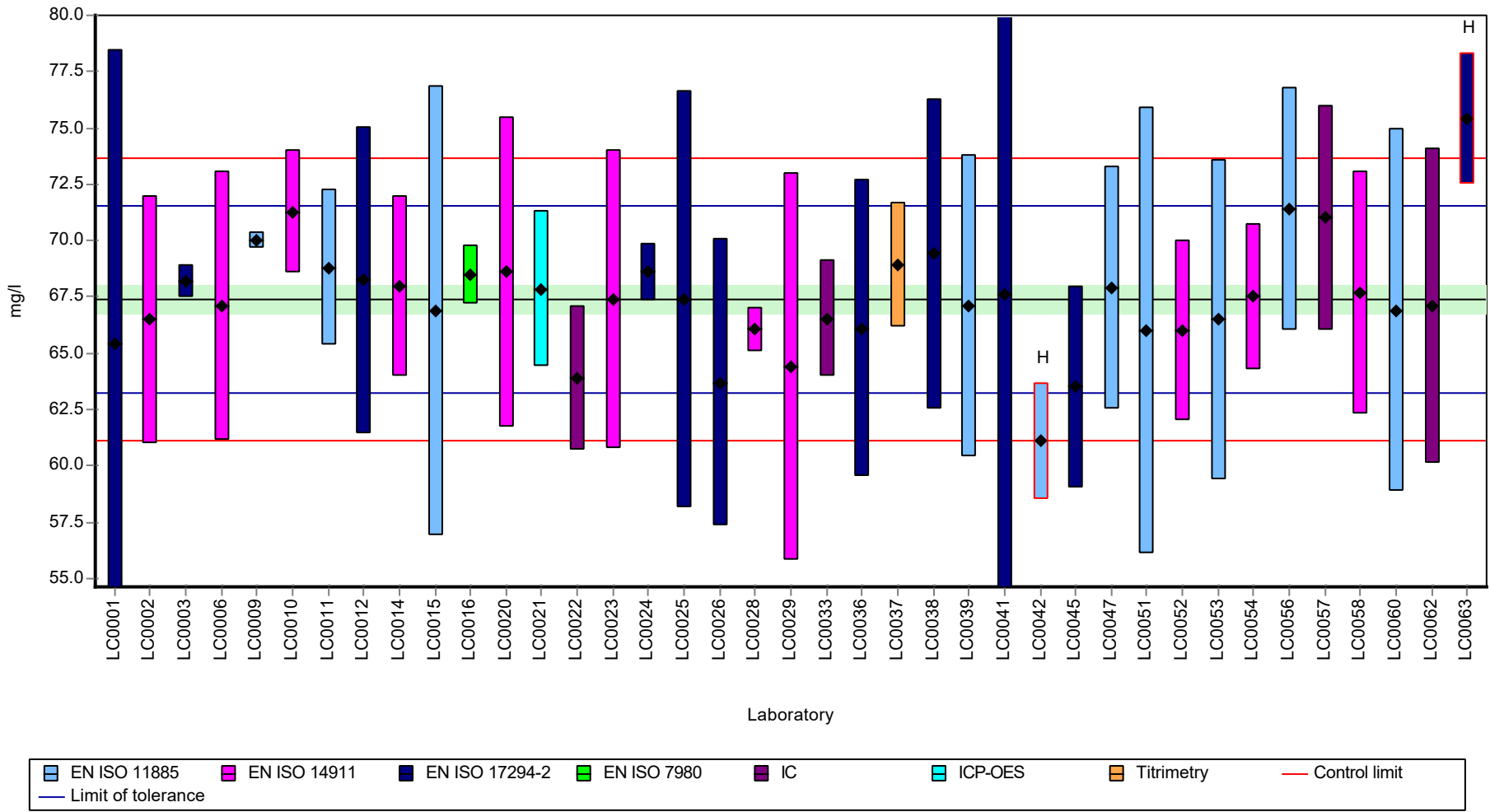
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0041	67.6	17	100	0.09	
LC0042	61.1	2.58	90.6	-3.02	H
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	63.5	4.50215	94.2	-1.87	
LC0046	-	-	-	-	
LC0047	67.9	5.4	101	0.24	
LC0048	-	-	-	-	
LC0049	-	-	-	-	
LC0050	-	-	-	-	
LC0051	66	9.9	97.9	-0.67	
LC0052	66	4	97.9	-0.67	
LC0053	66.5	7.1	98.7	-0.43	
LC0054	67.5	3.24	100	0.05	
LC0055	-	-	-	-	
LC0056	71.41	5.40574	106	1.92	
LC0057	71	5	105	1.72	
LC0058	67.7	5.4	100	0.14	
LC0059	-	-	-	-	
LC0060	66.9	8.05	99.3	-0.24	
LC0061	-	-	-	-	
LC0062	67.1	7	99.6	-0.14	
LC0063	75.4	2.9	112	3.83	H

Characteristics of parameter

	all results	w without outliers	Unit
Mean ± CI (99%)	67.4 ± 1.19	67.4 ± 0.938	mg/l
Minimum	61.1	63.5	mg/l
Maximum	75.4	71.4	mg/l
Standard deviation	2.48	1.9	mg/l
rel. standard deviation	3.68	2.82	%
n	39	37	-

Graphical presentation of results

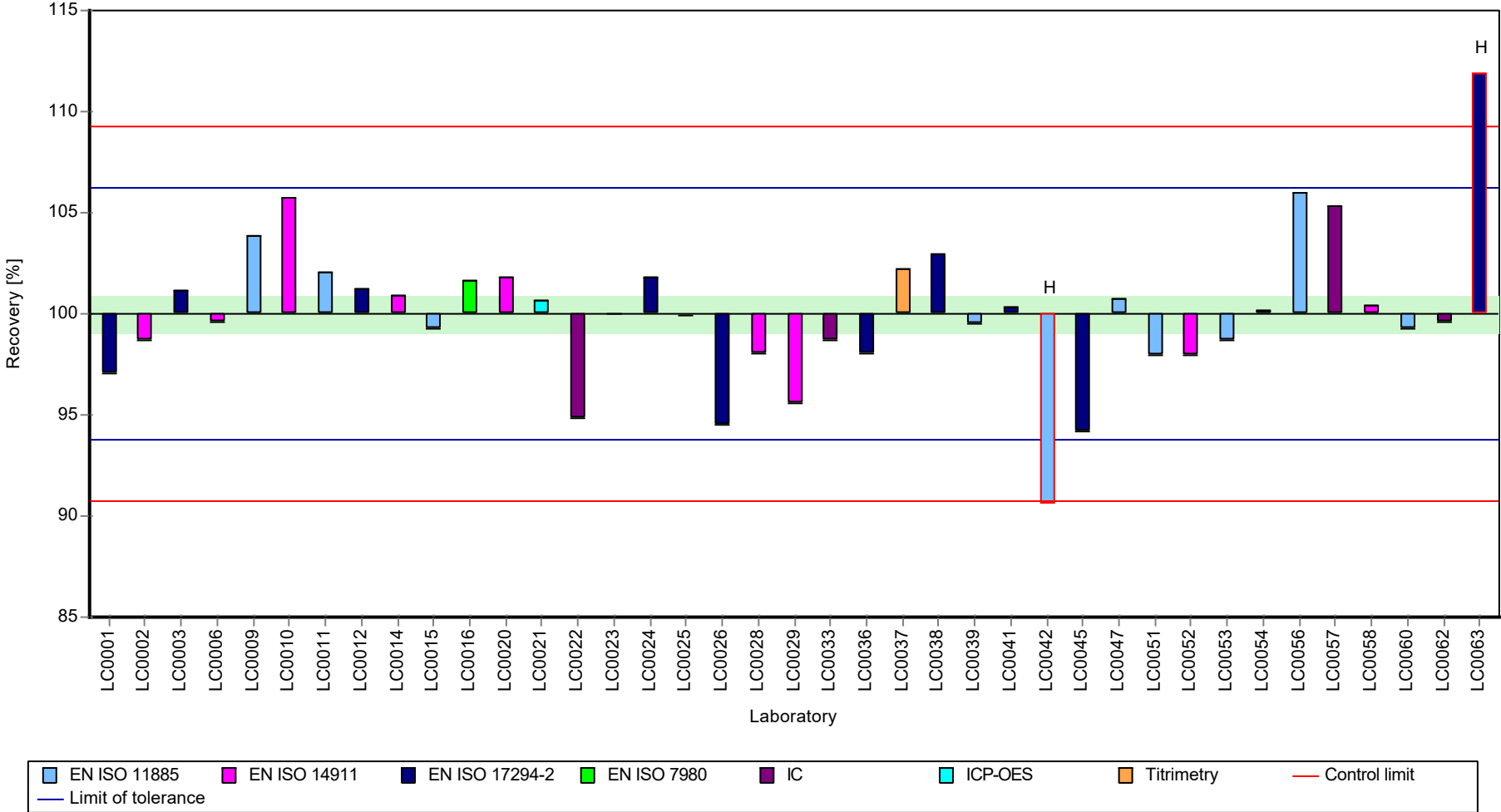
Results



Parameter oriented report Nutrients/Major Ions N175

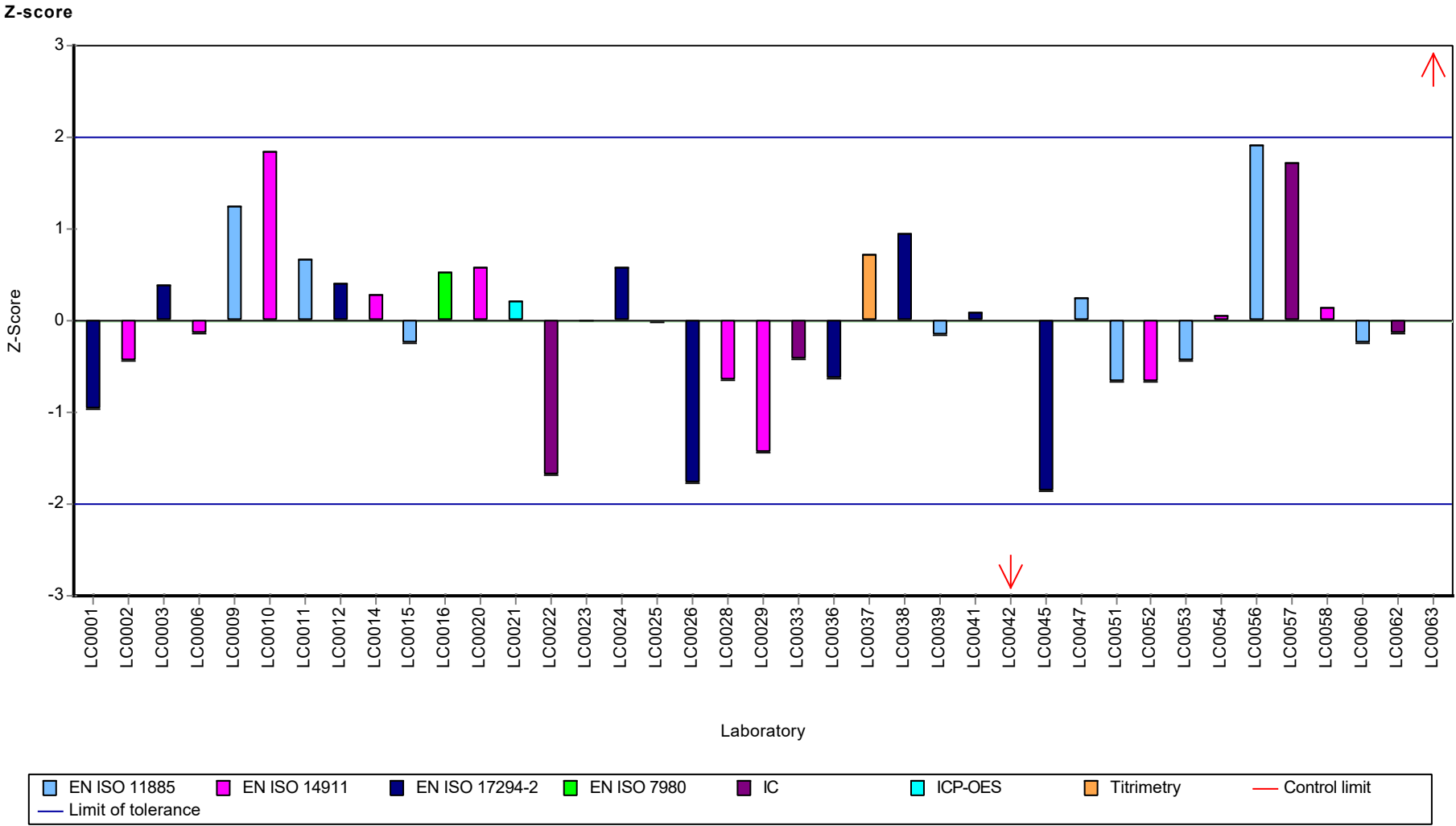
Sample: N175B, Parameter: Calcium

Recovery rate



Parameter oriented report Nutrients/Major Ions N175

Sample: N175B, Parameter: Calcium



Parameter oriented report Nutrients/Major Ions N175

Sample: N175A, Parameter: Chloride

Parameter oriented report

N175 A

Chloride

Unit mg/l
Assigned value ± U (k=2) 102 ± 0.706
Criterion 4.07 (4 %)
Minimum - Maximum 97 - 108
Control test value ± U (k=2) 104.0 ± 10.4

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	100.01	10	98.3	-0.42	
LC0002	102	10	100	0.07	
LC0003	107	1.5	105	1.3	
LC0004	102.24	1	101	0.13	
LC0005	-	-	-	-	
LC0006	103	9	101	0.32	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	104	0.36	102	0.56	
LC0010	101	5.52	99.3	-0.17	
LC0011	100	6.46	98.3	-0.42	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	102	8	100	0.07	
LC0015	106.8	16	105	1.25	
LC0016	101	12	99.3	-0.17	
LC0017	102.819	15.423	101	0.27	
LC0018	-	-	-	-	
LC0019	98	6.9	96.4	-0.91	
LC0020	100	10	98.3	-0.42	
LC0021	102.13	15.32	100	0.1	
LC0022	106.4	5.3	105	1.15	
LC0023	102	4.9	100	0.07	
LC0024	98.5	3.82	96.8	-0.79	
LC0025	102.394	10.75	101	0.17	
LC0026	-	-	-	-	
LC0027	102.7	7.5	101	0.24	
LC0028	101.66	0.2	100	-0.01	
LC0029	107.5	8.97	106	1.42	
LC0030	100.4	2.39	98.7	-0.32	
LC0031	-	-	-	-	
LC0032	-	-	-	-	
LC0033	100.58	4.73	98.9	-0.28	
LC0034	102.251	13.374	101	0.13	
LC0035	-	-	-	-	
LC0036	101	10.1	99.3	-0.17	
LC0037	99.91	5.9946	98.2	-0.44	
LC0038	104	10	102	0.56	
LC0039	101.54	27.8	99.8	-0.04	
LC0040	100	7.5	98.3	-0.42	

Parameter oriented report Nutrients/Major Ions N175

Sample: N175A, Parameter: Chloride

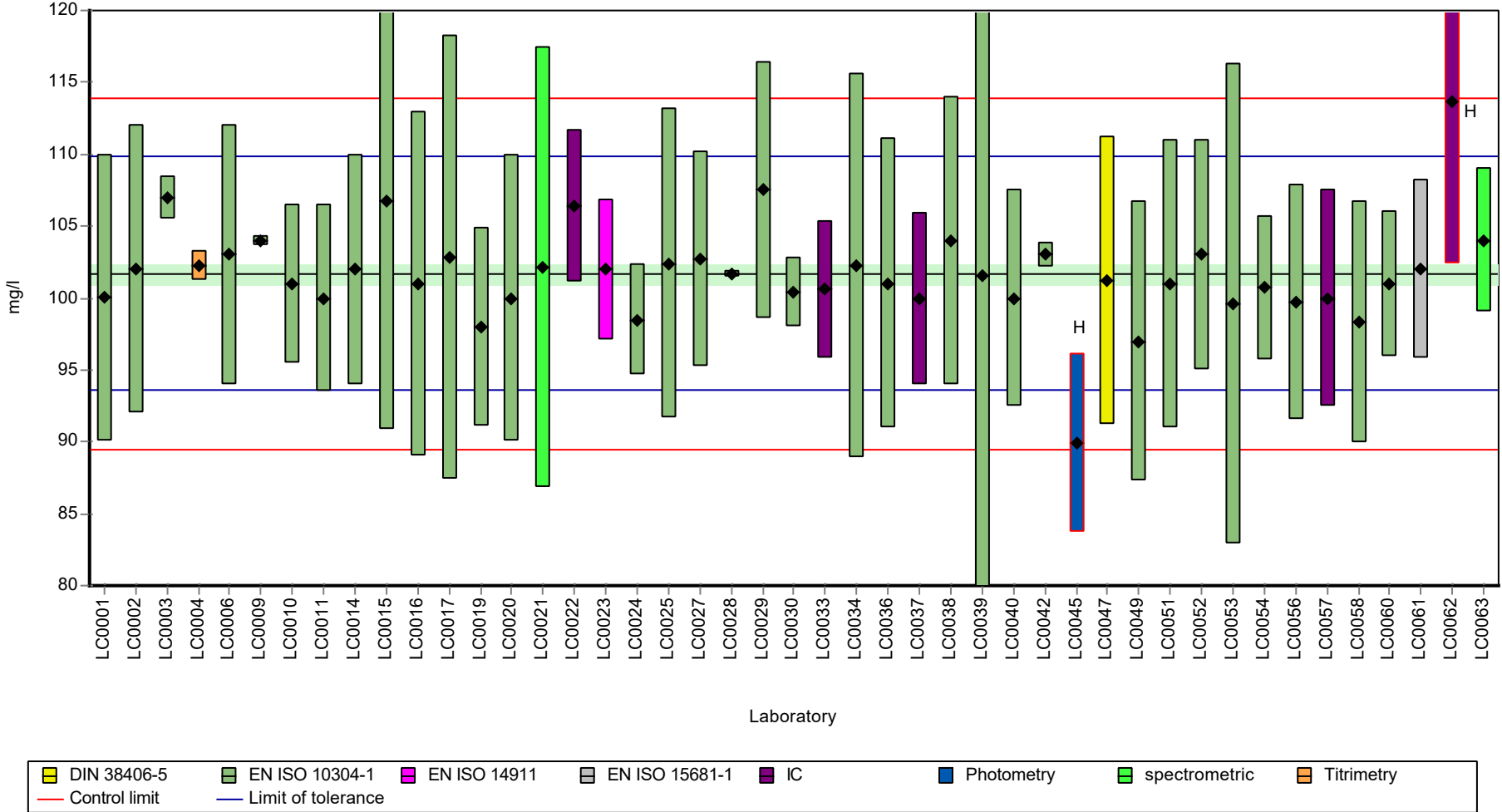
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0041	-	-	-	-	
LC0042	103	0.81	101	0.32	
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	89.9	6.18512	88.4	-2.9	H
LC0046	-	-	-	-	
LC0047	101.21	10	99.5	-0.12	
LC0048	-	-	-	-	
LC0049	97	9.7	95.4	-1.16	
LC0050	-	-	-	-	
LC0051	101	10	99.3	-0.17	
LC0052	103	8	101	0.32	
LC0053	99.6	16.7	97.9	-0.52	
LC0054	100.7	5	99	-0.25	
LC0055	-	-	-	-	
LC0056	99.72	8.1571	98	-0.49	
LC0057	100	7.5	98.3	-0.42	
LC0058	98.3	8.4	96.7	-0.84	
LC0059	-	-	-	-	
LC0060	101	5.05	99.3	-0.17	
LC0061	102	6.25	100	0.07	
LC0062	113.7	11.3	112	2.95	H
LC0063	104	5	102	0.56	

Characteristics of parameter

	all results	w without outliers	Unit
Mean ± CI (99%)	102 ± 1.52	102 ± 1.06	mg/l
Minimum	89.9	97	mg/l
Maximum	114	108	mg/l
Standard deviation	3.4	2.31	mg/l
rel. standard deviation	3.34	2.28	%
n	45	43	-

Graphical presentation of results

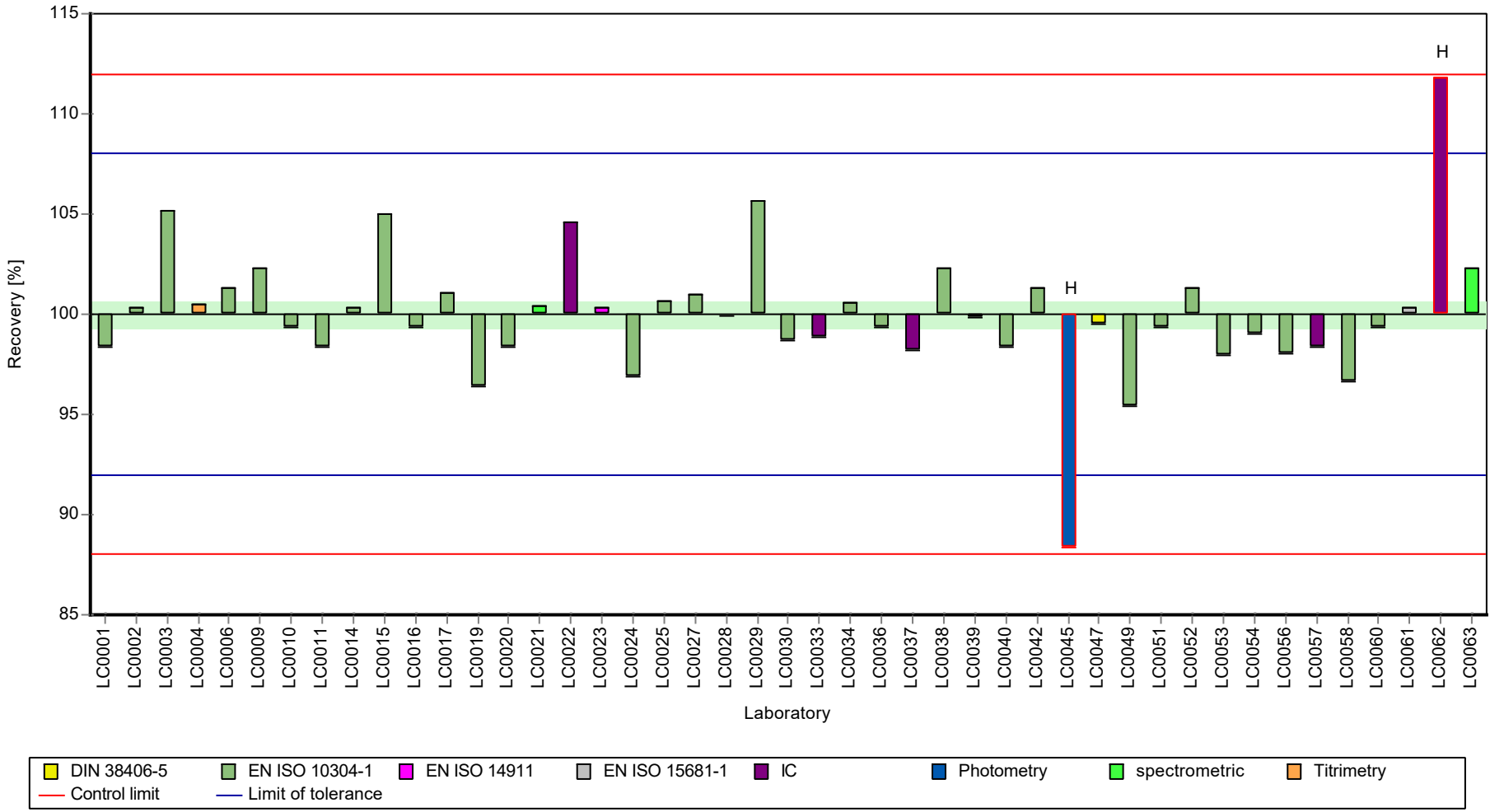
Results



Parameter oriented report Nutrients/Major Ions N175

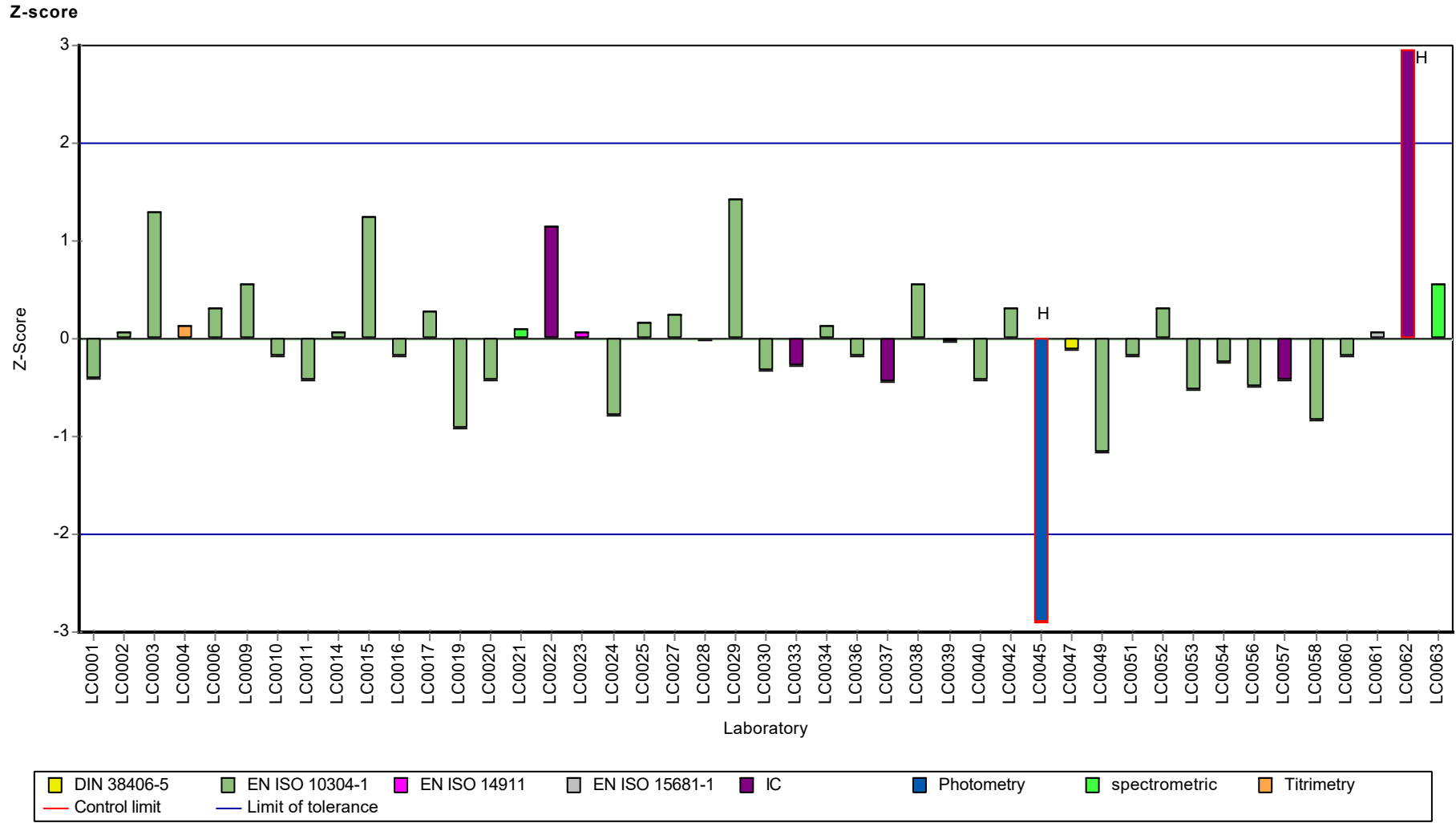
Sample: N175A, Parameter: Chloride

Recovery rate



Parameter oriented report Nutrients/Major Ions N175

Sample: N175A, Parameter: Chloride



Parameter oriented report Nutrients/Major Ions N175

Sample: N175B, Parameter: Chloride

Parameter oriented report

N175 B

Chloride

Unit	mg/l
Assigned value ± U (k=2)	29.3 ± 0.251
Criterion	1.17 (4 %)
Minimum - Maximum	27.3 - 31
Control test value ± U (k=2)	31.0 ± 3.10

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	28.1	3	96	-1	
LC0002	29.3	2.8	100	0.03	
LC0003	29.9	0.058	102	0.54	
LC0004	27.34	0.28	93.4	-1.65	
LC0005	-	-	-	-	
LC0006	29.7	3	101	0.37	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	29.9	0.0947	102	0.54	
LC0010	29.27	1.6	100	0.00	
LC0011	29.7	1.93	101	0.37	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	27.9	2.2	95.3	-1.17	
LC0015	31	4.65	106	1.48	
LC0016	28.8	3.4	98.4	-0.4	
LC0017	30.28	4.54	103	0.87	
LC0018	-	-	-	-	
LC0019	27	1.8	92.3	-1.94	H
LC0020	30.3	3	104	0.88	
LC0021	28.93	4.34	98.8	-0.29	
LC0022	29.3	1.5	100	0.03	
LC0023	29.4	1.41	100	0.11	
LC0024	27.9	1.14	95.3	-1.17	
LC0025	28.647	3	97.9	-0.53	
LC0026	-	-	-	-	
LC0027	29.56	2.16	101	0.25	
LC0028	29.01	0.2	99.1	-0.22	
LC0029	30.7	2.56	105	1.22	
LC0030	29.41	0.7	100	0.12	
LC0031	-	-	-	-	
LC0032	-	-	-	-	
LC0033	29.72	1.4	102	0.39	
LC0034	29.251	3.826	99.9	-0.01	
LC0035	-	-	-	-	
LC0036	29.1	2.91	99.4	-0.14	
LC0037	29.04	1.7424	99.2	-0.19	
LC0038	29.4	2.9	100	0.11	
LC0039	28.82	7.89	98.5	-0.38	
LC0040	31	2	106	1.48	

Parameter oriented report Nutrients/Major Ions N175

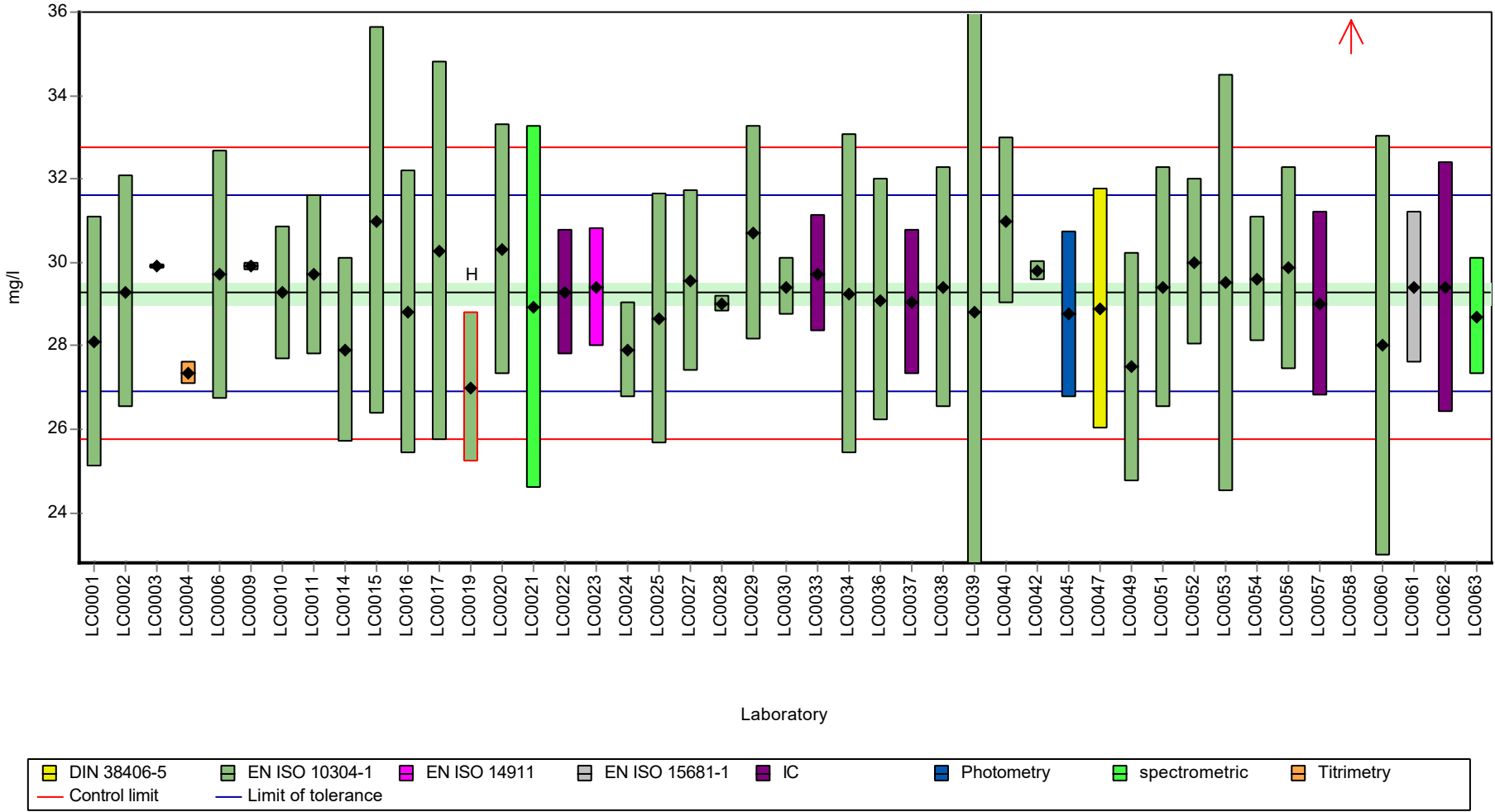
Sample: N175B, Parameter: Chloride

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0041	-	-	-	-	
LC0042	29.8	0.235	102	0.46	
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	28.75	1.978	98.2	-0.44	
LC0046	-	-	-	-	
LC0047	28.89	2.9	98.7	-0.32	
LC0048	-	-	-	-	
LC0049	27.5	2.75	94	-1.51	
LC0050	-	-	-	-	
LC0051	29.4	2.9	100	0.11	
LC0052	30	2	103	0.63	
LC0053	29.5	5	101	0.2	
LC0054	29.6	1.5	101	0.28	
LC0055	-	-	-	-	
LC0056	29.86	2.44255	102	0.51	
LC0057	29	2.2	99.1	-0.23	
LC0058	112	9.5	383	70.67	H
LC0059	-	-	-	-	
LC0060	28	5.05	95.7	-1.08	
LC0061	29.4	1.8	100	0.11	
LC0062	29.4	3	100	0.11	
LC0063	28.7	1.4	98.1	-0.48	

Characteristics of parameter

	all results	w without outliers	Unit
Mean ± CI (99%)	31.1 ± 5.53	29.3 ± 0.377	mg/l
Minimum	27	27.3	mg/l
Maximum	112	31	mg/l
Standard deviation	12.4	0.823	mg/l
rel. standard deviation	39.8	2.81	%
n	45	43	-

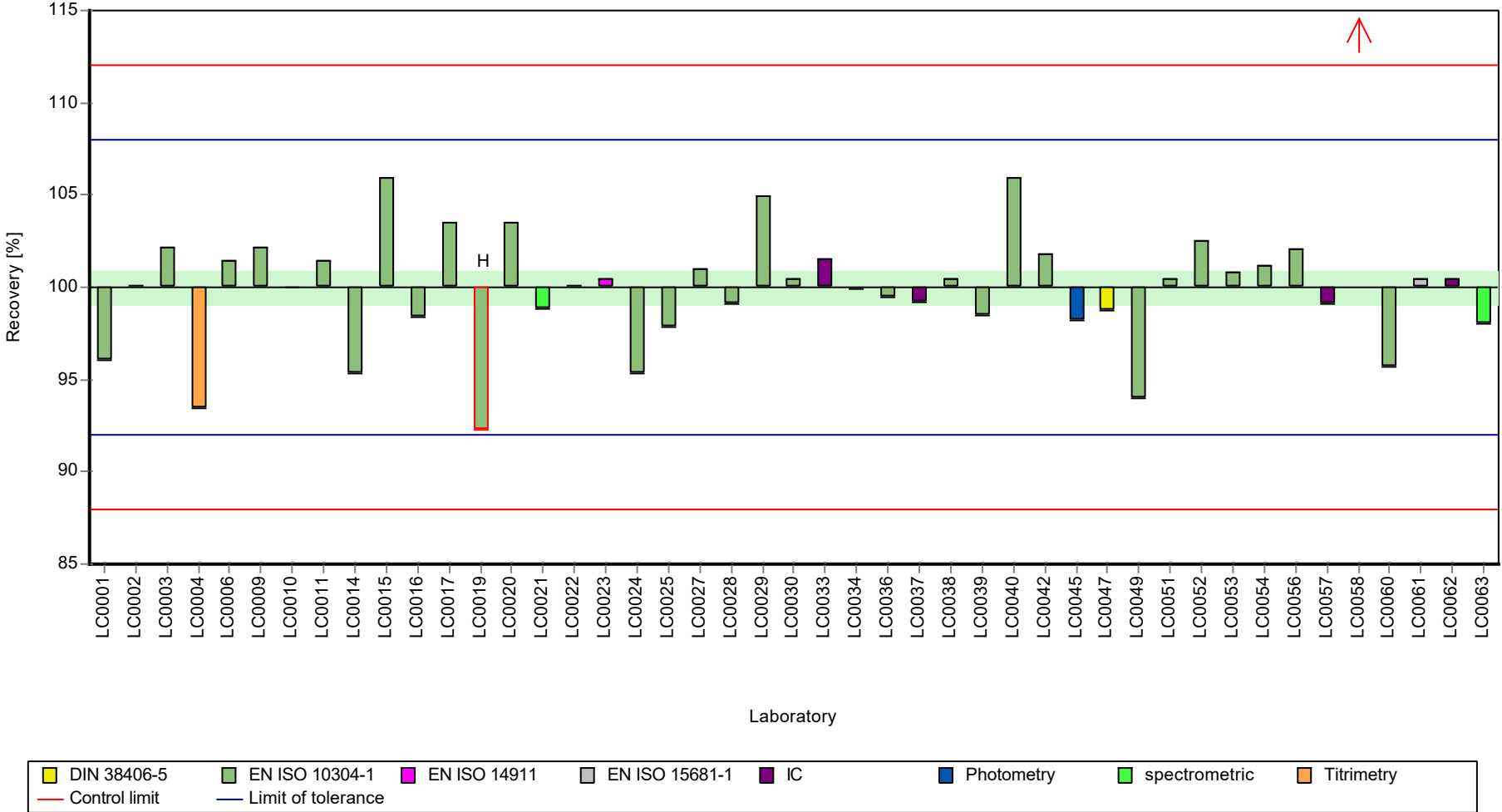
Graphical presentation of results
Results



Parameter oriented report Nutrients/Major Ions N175

Sample: N175B, Parameter: Chloride

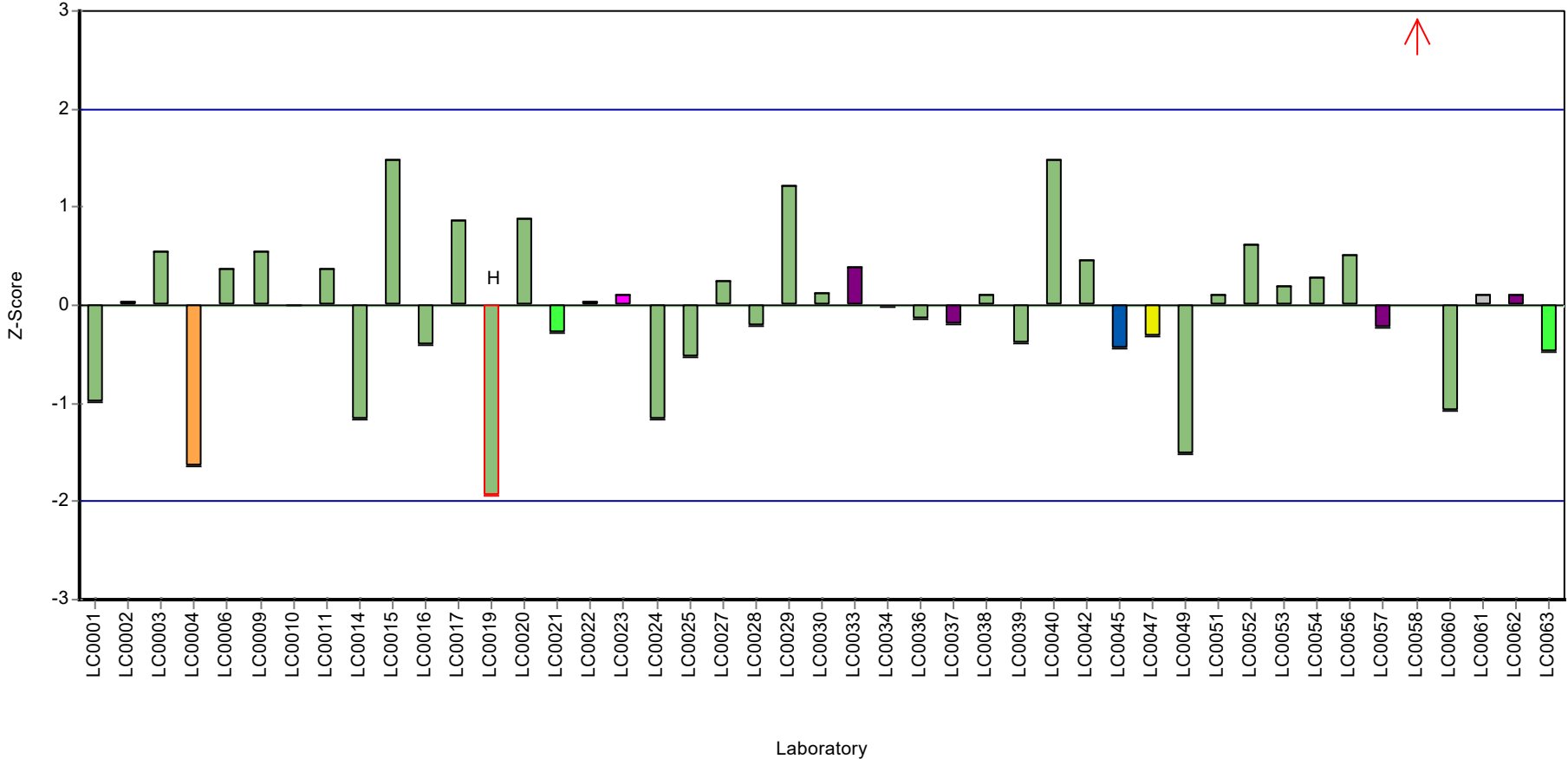
Recovery rate



Parameter oriented report Nutrients/Major Ions N175

Sample: N175B, Parameter: Chloride

Z-score



Parameter oriented report Nutrients/Major Ions N175

Sample: N175ADOC, Parameter: DOC (as C)

Parameter oriented report

N175 A DOC

DOC (as C)

Unit	mg/l
Assigned value ± U (k=2)	1.48 ± 0.0592
Criterion	0.193 (13 %)
Minimum - Maximum	1.11 - 1.94
Control test value ± U (k=2)	1.62 ± 0.291

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	1.447	0.217	97.7	-0.18	
LC0002	1.64	0.15	111	0.82	
LC0003	1.26	0.044	85	-1.15	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	1.42	0.3	95.8	-0.32	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	1.62	0.123	109	0.72	
LC0010	-	-	-	-	
LC0011	< 1 (LOQ)	-	-	-	
LC0012	1.3	0.13	87.7	-0.94	
LC0013	-	-	-	-	
LC0014	1.35	0.19	91.1	-0.68	
LC0015	1.243	0.186	83.9	-1.24	
LC0016	1.53	0.086	103	0.25	
LC0017	1.46	0.22	98.5	-0.11	
LC0018	-	-	-	-	
LC0019	-	-	-	-	
LC0020	1.56	0.16	105	0.41	
LC0021	-	-	-	-	
LC0022	1.44	0.1	97.2	-0.22	
LC0023	-	-	-	-	
LC0024	1.85	0.22	125	1.91	
LC0025	1.472	0.294	99.4	-0.05	
LC0026	-	-	-	-	
LC0027	1.5	0.12	101	0.1	
LC0028	1.528	0.2	103	0.24	
LC0029	1.5	0.28	101	0.1	
LC0030	1.321	0.0382	89.2	-0.83	
LC0031	-	-	-	-	
LC0032	1.57	0.15	106	0.46	
LC0033	1.357	0.24	91.6	-0.65	
LC0034	1.432	0.258	96.7	-0.26	
LC0035	-	-	-	-	
LC0036	1.44	0.14	97.2	-0.22	
LC0037	1.316	0.1974	88.8	-0.86	
LC0038	-	-	-	-	
LC0039	2.34	0.298	158	4.46	H
LC0040	1.6	0.056	108	0.62	

Parameter oriented report Nutrients/Major Ions N175

Sample: N175ADOC, Parameter: DOC (as C)

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0041	1.42	0.57	95.8	-0.32	
LC0042	1.46	0.054	98.5	-0.11	
LC0043	2.2	0.23	148	3.73	H
LC0044	1.445	0.0665	97.5	-0.19	
LC0045	-	-	-	-	
LC0046	-	-	-	-	
LC0047	1.859	0.41	125	1.96	
LC0048	-	-	-	-	
LC0049	1.94	0.484	131	2.38	
LC0050	-	-	-	-	
LC0051	1.46	0.29	98.5	-0.11	
LC0052	1.9	0.2	128	2.17	
LC0053	1.27	0.25	85.7	-1.1	
LC0054	1.45	0.13	97.9	-0.16	
LC0055	-	-	-	-	
LC0056	1.35	0.135	91.1	-0.68	
LC0057	1.33	0.13	89.8	-0.79	
LC0058	1.75	0.283	118	1.39	
LC0059	-	-	-	-	
LC0060	1.53	0.1224	103	0.25	
LC0061	1.35	0.121	91.1	-0.68	
LC0062	1.11	0.2	74.9	-1.93	
LC0063	-	-	-	-	

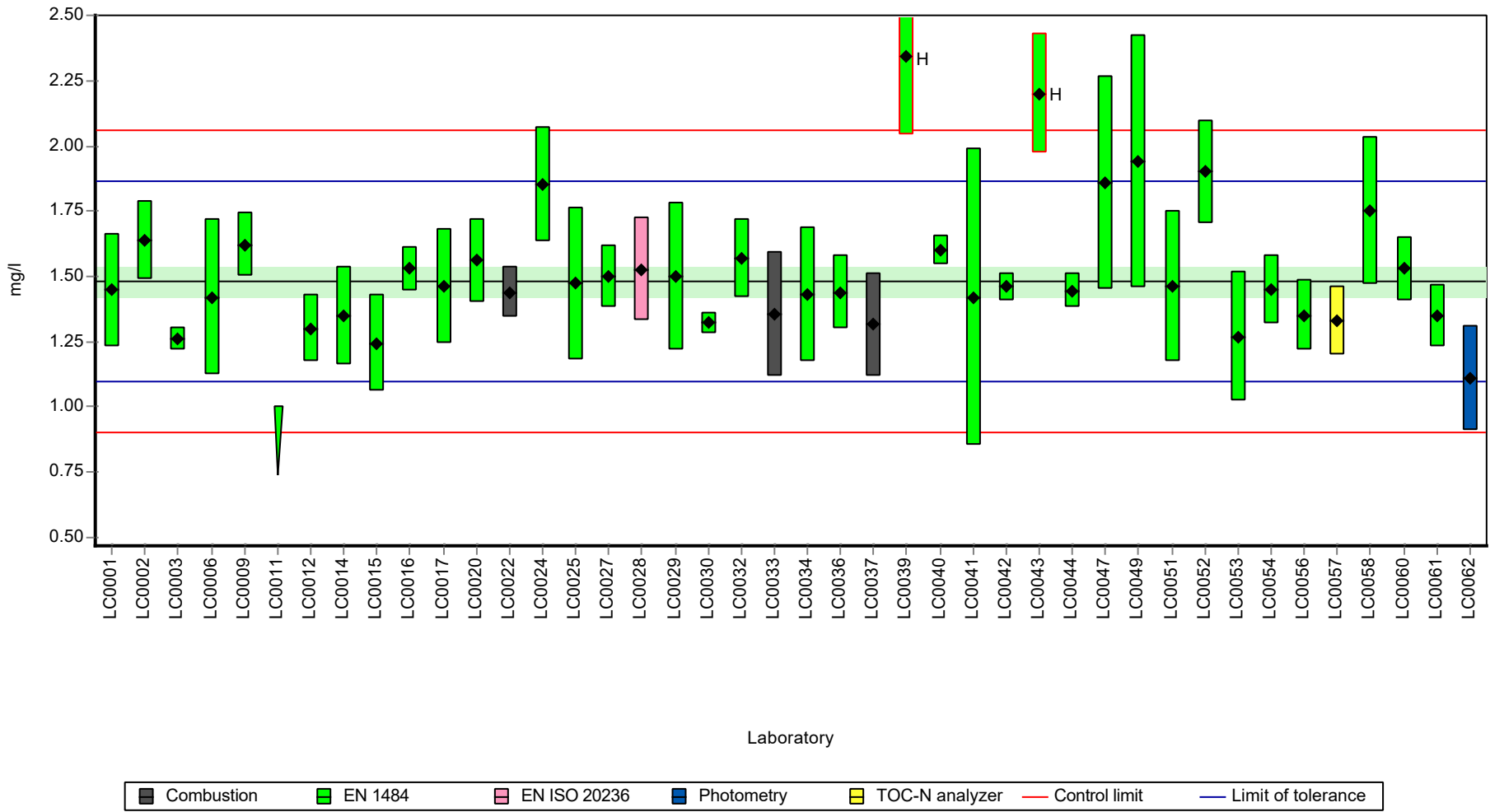
Characteristics of parameter

	all results	w without outliers	Unit
Mean ± CI (99%)	1.52 ± 0.117	1.48 ± 0.0888	mg/l
Minimum	1.11	1.11	mg/l
Maximum	2.34	1.94	mg/l
Standard deviation	0.25	0.185	mg/l
rel. standard deviation	16.4	12.5	%
n	41	39	-

Parameter oriented report Nutrients/Major Ions N175

Sample: N175ADOC, Parameter: DOC (as C)

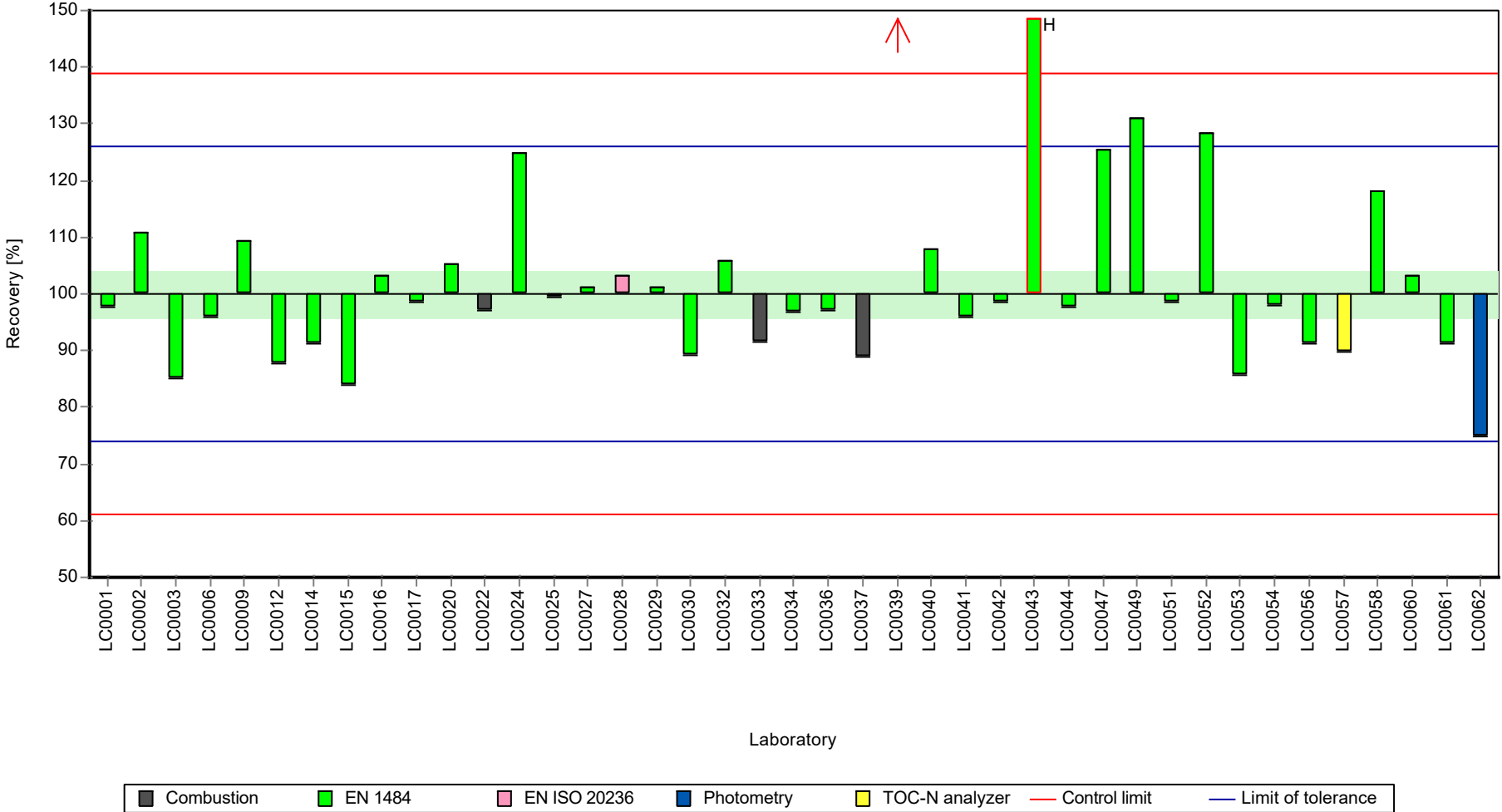
Graphical presentation of results
Results



Parameter oriented report Nutrients/Major Ions N175

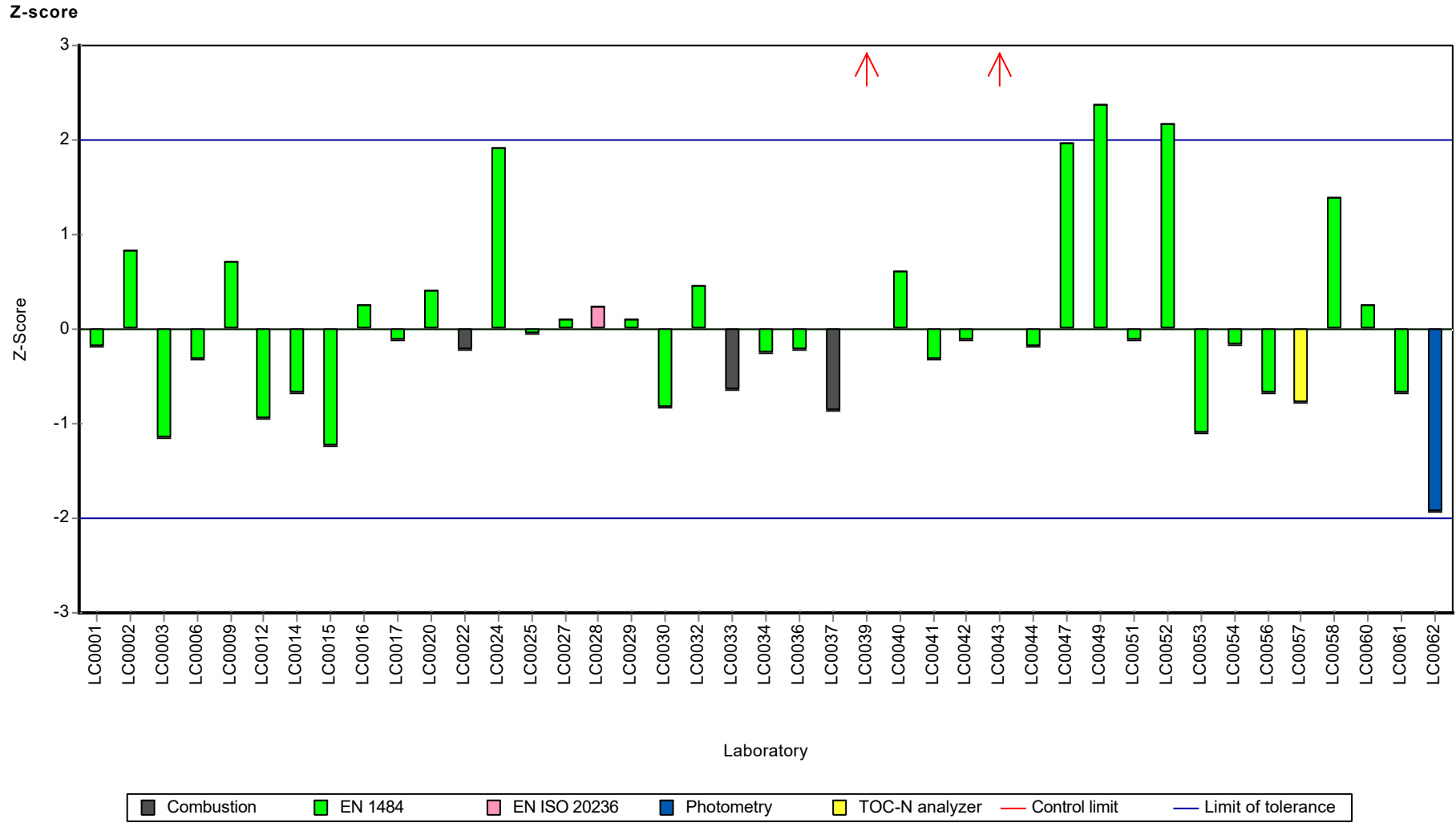
Sample: N175ADOC, Parameter: DOC (as C)

Recovery rate



Parameter oriented report Nutrients/Major Ions N175

Sample: N175ADOC, Parameter: DOC (as C)



Parameter oriented report Nutrients/Major Ions N175

Sample: N175BDOC, Parameter: DOC (as C)

Parameter oriented report

N175 B DOC

DOC (as C)

Unit	mg/l
Assigned value ± U (k=2)	3.46 ± 0.0842
Criterion	0.346 (10 %)
Minimum - Maximum	2.81 - 3.95
Control test value ± U (k=2)	4.25 ± 0.766

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	3.501	0.525	101	0.11	
LC0002	3.65	0.34	105	0.54	
LC0003	3.26	0.081	94.2	-0.58	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	3.4	0.6	98.2	-0.18	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	3.44	0.12	99.4	-0.06	
LC0010	-	-	-	-	
LC0011	2.81	0.273	81.2	-1.88	
LC0012	2.58	0.258	74.5	-2.55	H
LC0013	-	-	-	-	
LC0014	3.46	0.48	99.9	-0.01	
LC0015	3.288	0.493	95	-0.5	
LC0016	3.44	0.19	99.4	-0.06	
LC0017	3.52	0.53	102	0.17	
LC0018	-	-	-	-	
LC0019	-	-	-	-	
LC0020	3.61	0.36	104	0.43	
LC0021	-	-	-	-	
LC0022	3.1	0.2	89.5	-1.05	
LC0023	-	-	-	-	
LC0024	3.82	0.38	110	1.03	
LC0025	3.403	0.6806	98.3	-0.17	
LC0026	-	-	-	-	
LC0027	3.26	0.26	94.2	-0.58	
LC0028	3.501	0.2	101	0.11	
LC0029	3.5	0.65	101	0.11	
LC0030	3.092	0.0894	89.3	-1.07	
LC0031	-	-	-	-	
LC0032	3.44	0.33	99.4	-0.06	
LC0033	3.083	0.54	89	-1.1	
LC0034	3.392	0.611	98	-0.2	
LC0035	-	-	-	-	
LC0036	3.41	0.34	98.5	-0.15	
LC0037	3.335	0.50025	96.3	-0.37	
LC0038	-	-	-	-	
LC0039	3.95	0.502	114	1.41	
LC0040	3.5	0.12	101	0.11	

Parameter oriented report Nutrients/Major Ions N175

Sample: N175BDOC, Parameter: DOC (as C)

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0041	3.39	1.4	97.9	-0.21	
LC0042	3.48	0.129	101	0.05	
LC0043	3.9	0.41	113	1.26	
LC0044	3.504	0.1612	101	0.12	
LC0045	-	-	-	-	
LC0046	-	-	-	-	
LC0047	3.314	0.73	95.7	-0.43	
LC0048	-	-	-	-	
LC0049	3.84	0.959	111	1.09	
LC0050	-	-	-	-	
LC0051	3.45	0.69	99.6	-0.04	
LC0052	3.6	0.4	104	0.4	
LC0053	3.01	0.325	86.9	-1.31	
LC0054	3.51	0.32	101	0.14	
LC0055	-	-	-	-	
LC0056	3.88	0.388	112	1.21	
LC0057	3.15	0.31	91	-0.9	
LC0058	3.62	0.482	105	0.46	
LC0059	-	-	-	-	
LC0060	3.6	0.1224	104	0.4	
LC0061	3.32	0.298	95.9	-0.41	
LC0062	3.84	0.6	111	1.09	
LC0063	-	-	-	-	

Characteristics of parameter

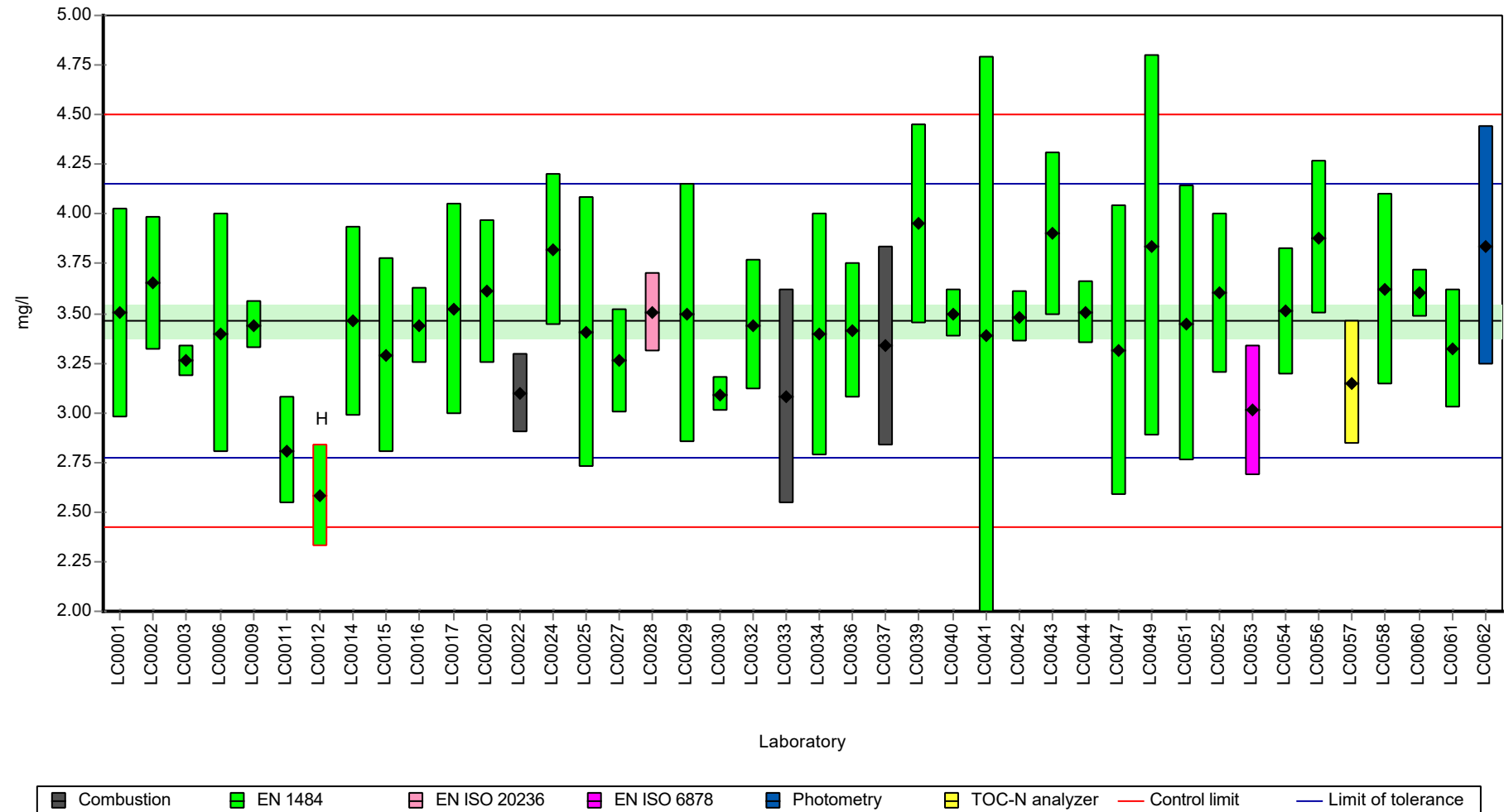
	all results	w ithout outliers	Unit
Mean ± CI (99%)	3.43 ± 0.13	3.45 ± 0.117	mg/l
Minimum	2.58	2.81	mg/l
Maximum	3.95	3.95	mg/l
Standard deviation	0.28	0.249	mg/l
rel. standard deviation	8.17	7.21	%
n	42	41	-

Parameter oriented report Nutrients/Major Ions N175

Sample: N175BDOC, Parameter: DOC (as C)

Graphical presentation of results

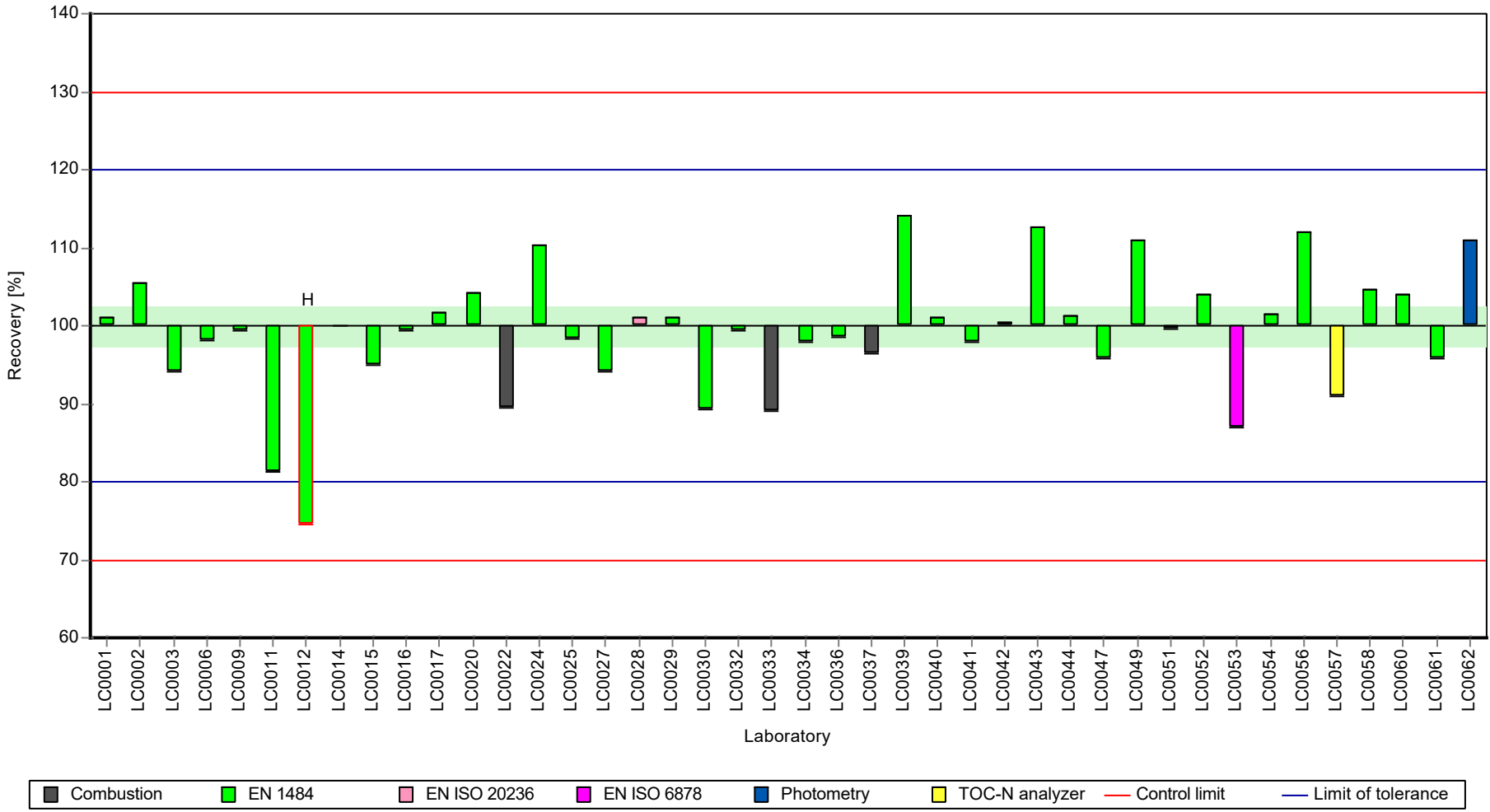
Results



Parameter oriented report Nutrients/Major Ions N175

Sample: N175BDOC, Parameter: DOC (as C)

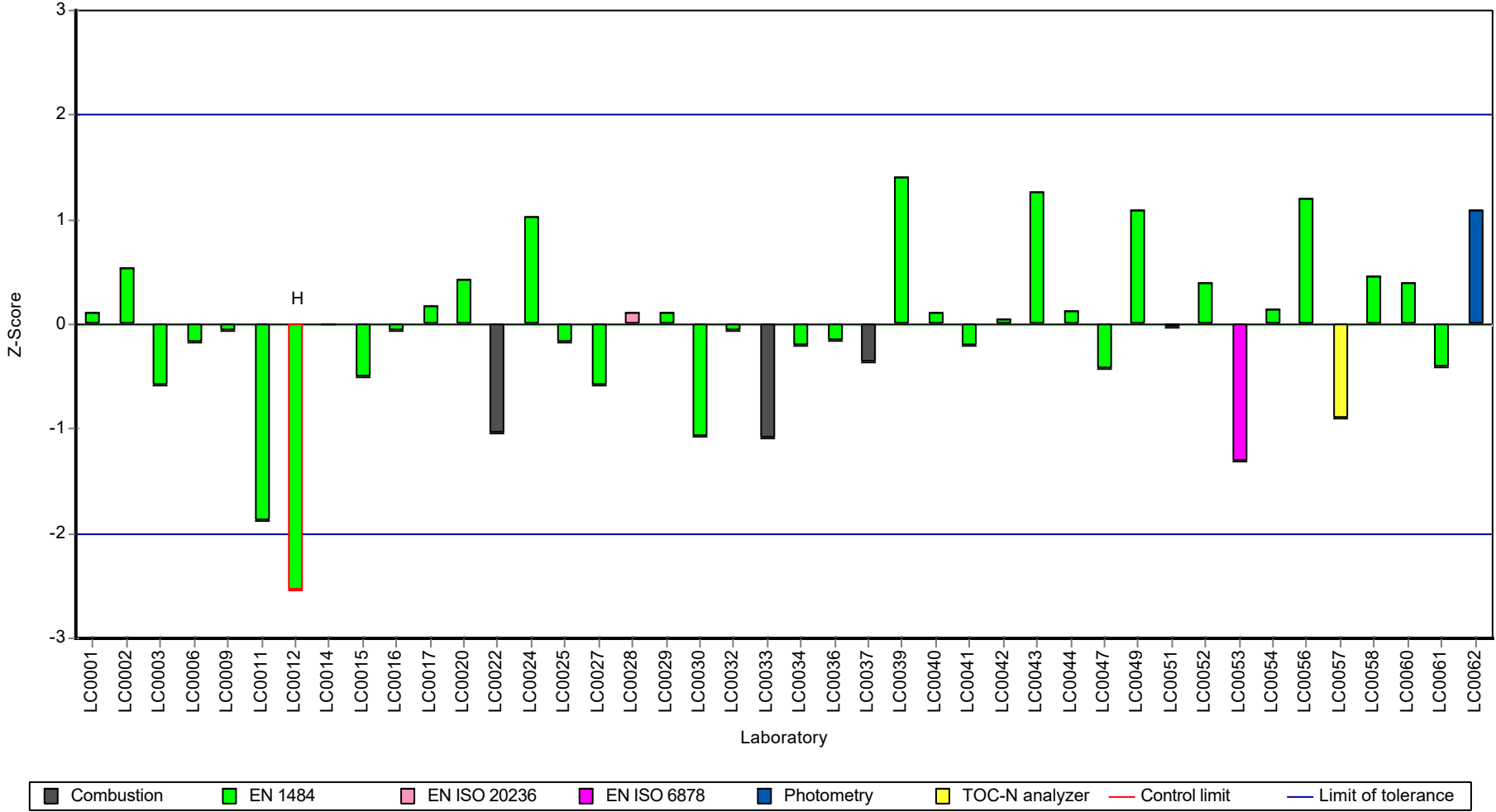
Recovery rate



Parameter oriented report Nutrients/Major Ions N175

Sample: N175BDOC, Parameter: DOC (as C)

Z-score



Parameter oriented report Nutrients/Major Ions N175

Sample: N175A, Parameter: El. conductivity (25°C)

Parameter oriented report

N175 A

El. conductivity (25°C)

Unit	µS/cm
Assigned value ± U (k=2)	1160 ± 3.02
Criterion	15.1 (1.3 %)
Minimum - Maximum	1140 - 1180
Control test value ± U (k=2)	1140.0 ± 57.0

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	1168	10	100	0.31	
LC0002	1160	51	99.7	-0.22	
LC0003	1139	5.7	97.9	-1.61	
LC0004	1172	8.3	101	0.57	
LC0005	1145	24	98.4	-1.21	
LC0006	1160	47	99.7	-0.22	
LC0007	1170	10	101	0.44	
LC0008	1160	16.2	99.7	-0.22	
LC0009	1156	0.509	99.4	-0.49	
LC0010	1173	7.27	101	0.64	
LC0011	1183	5.92	102	1.3	
LC0012	-	-	-	-	
LC0013	1169	0.211	100	0.37	
LC0014	1169	35	100	0.37	
LC0015	1158	173	99.5	-0.35	
LC0016	1110	13.7	95.4	-3.53	H
LC0017	1179	176.9	101	1.03	
LC0018	-	-	-	-	
LC0019	-	-	-	-	
LC0020	1180	120	101	1.1	
LC0021	1164	5	100	0.04	
LC0022	1125	56	96.7	-2.54	H
LC0023	1173	10.56	101	0.64	
LC0024	1160	23.2	99.7	-0.22	
LC0025	1151	64.4	98.9	-0.82	
LC0026	-	-	-	-	
LC0027	1161	32.51	99.8	-0.16	
LC0028	1154	2	99.2	-0.62	
LC0029	1179.6	66.8	101	1.07	
LC0030	1166	13.99	100	0.17	
LC0031	1150	26	98.9	-0.88	
LC0032	1173	35.2	101	0.64	
LC0033	1156	25.4	99.4	-0.49	
LC0034	1175	58.75	101	0.77	
LC0035	-	-	-	-	
LC0036	1172	15	101	0.57	
LC0037	1171	29.275	101	0.5	
LC0038	1154	12	99.2	-0.62	
LC0039	1157	115.7	99.5	-0.42	
LC0040	1170	12	101	0.44	

Parameter oriented report Nutrients/Major Ions N175

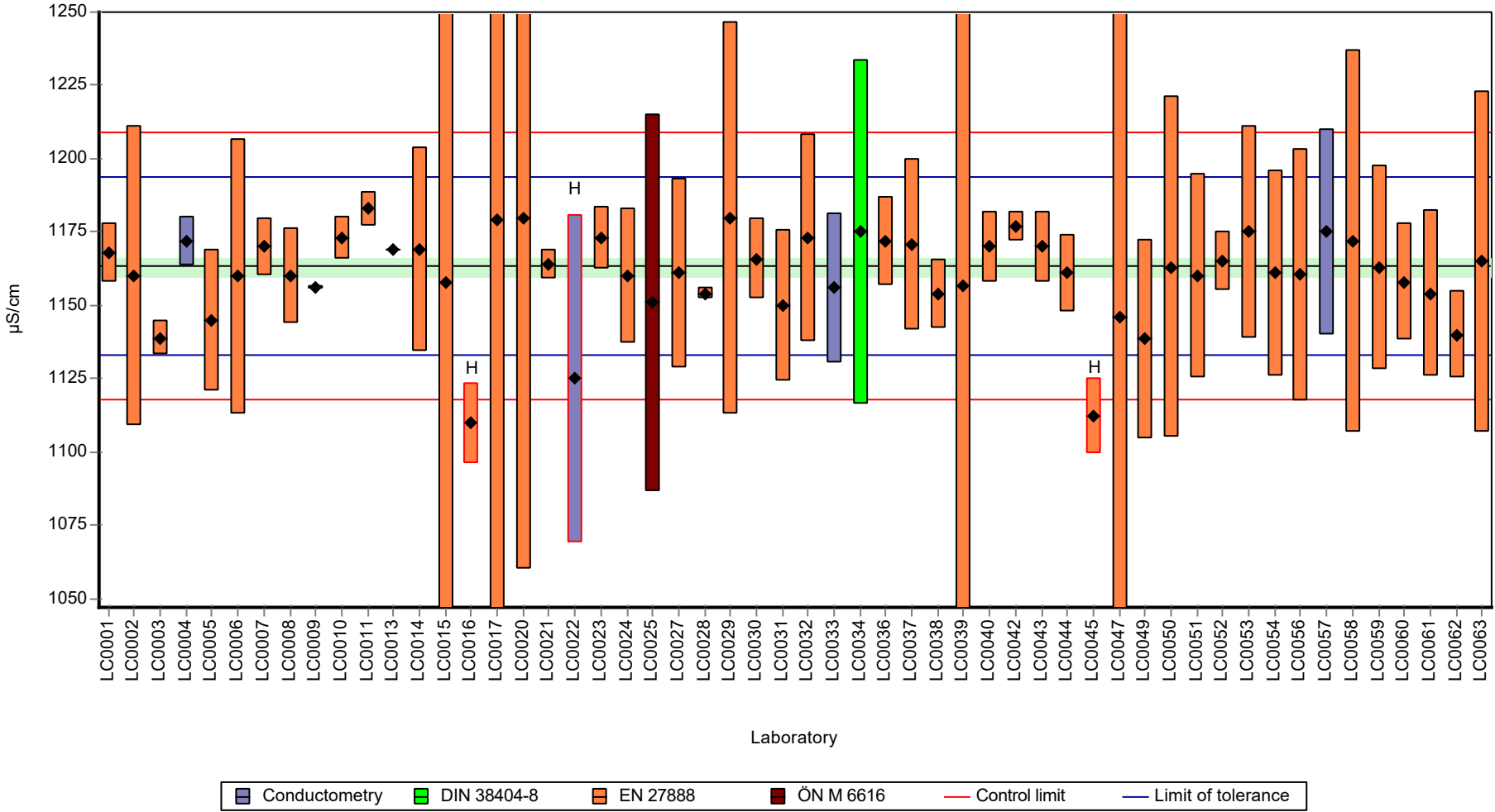
Sample: N175A, Parameter: El. conductivity (25°C)

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0041	-	-	-	-	
LC0042	1177	5.16	101	0.9	
LC0043	1170	12	101	0.44	
LC0044	1161	13.35	99.8	-0.16	
LC0045	1112.2	13.01274	95.6	-3.38	H
LC0046	-	-	-	-	
LC0047	1146	115	98.5	-1.15	
LC0048	-	-	-	-	
LC0049	1138.5	34.2	97.9	-1.64	
LC0050	1163	58.15	100	-0.02	
LC0051	1160	35	99.7	-0.22	
LC0052	1165	10	100	0.11	
LC0053	1175	36	101	0.77	
LC0054	1161	35	99.8	-0.16	
LC0055	-	-	-	-	
LC0056	1160.5	42.82245	99.8	-0.19	
LC0057	1175	35	101	0.77	
LC0058	1172	65	101	0.57	
LC0059	1163	35	100	-0.02	
LC0060	1158	20	99.5	-0.35	
LC0061	1154	28.4	99.2	-0.62	
LC0062	1140	15	98	-1.54	
LC0063	1165	58	100	0.11	

Characteristics of parameter

	all results	w without outliers	Unit
Mean ± CI (99%)	1160 ± 6.24	1160 ± 4.54	µS/cm
Minimum	1110	1140	µS/cm
Maximum	1180	1180	µS/cm
Standard deviation	15.3	10.8	µS/cm
rel. standard deviation	1.32	0.928	%
n	54	51	-

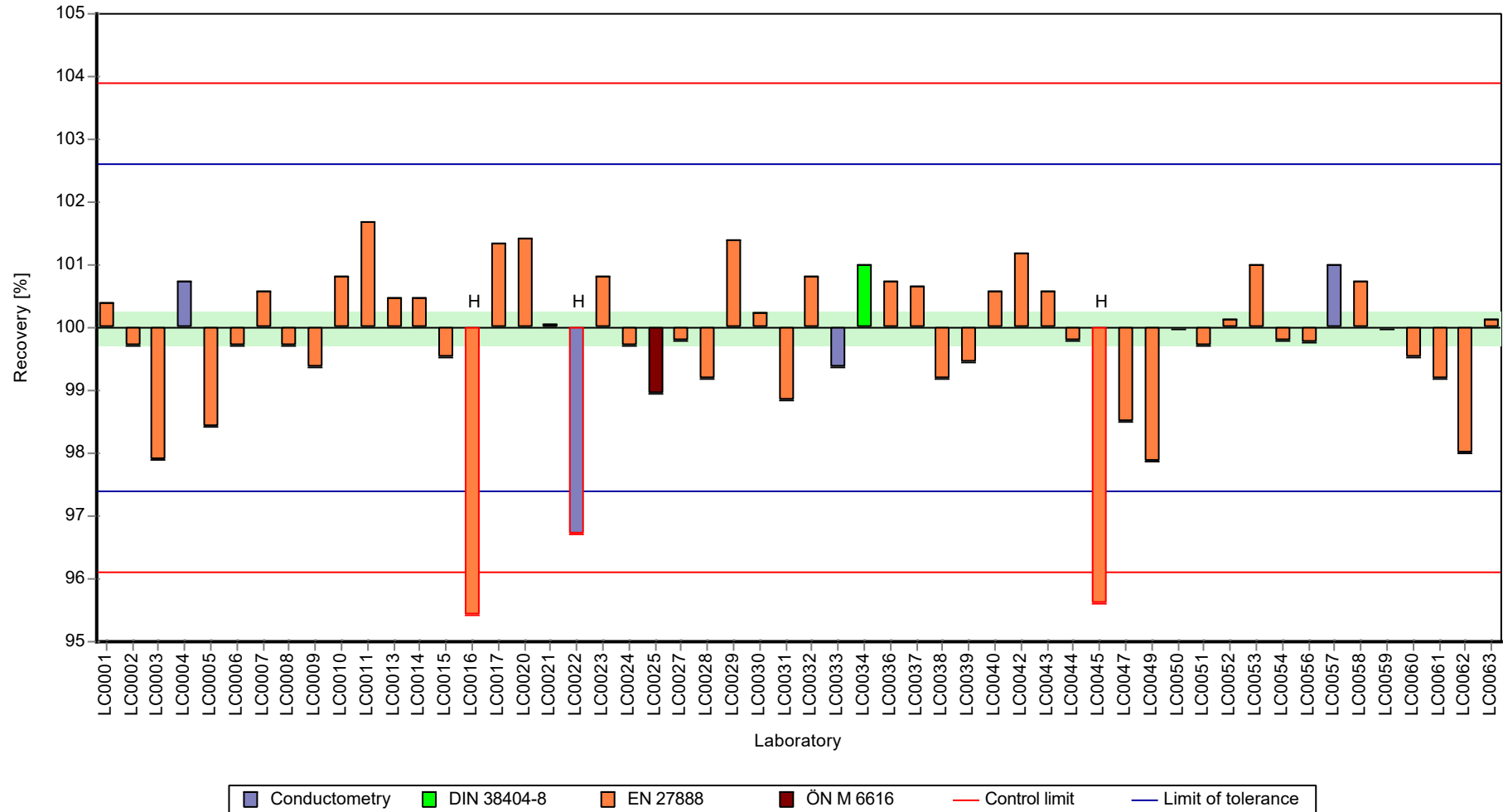
Graphical presentation of results
 Results



Parameter oriented report Nutrients/Major Ions N175

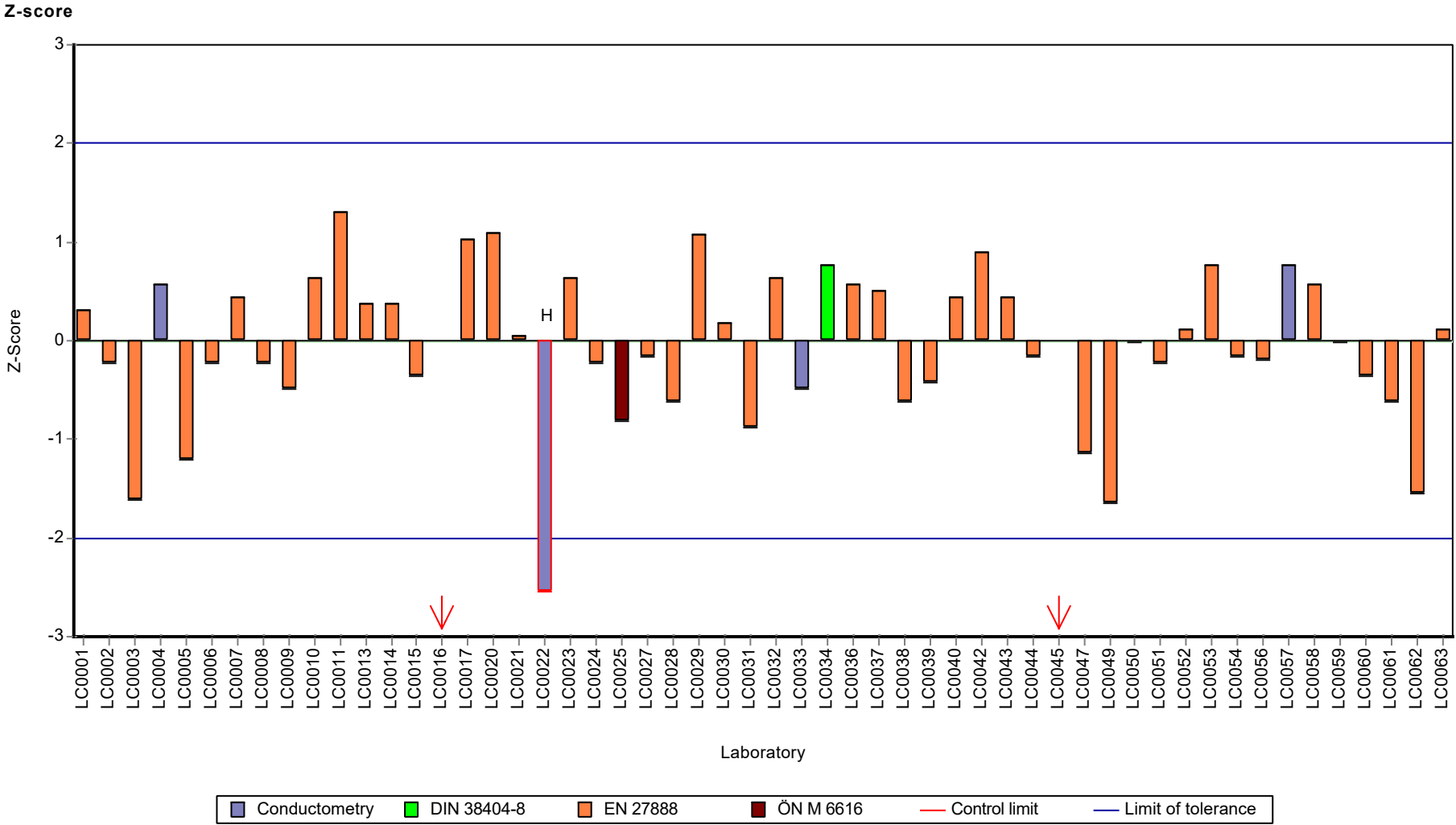
Sample: N175A, Parameter: El. conductivity (25°C)

Recovery rate



Parameter oriented report Nutrients/Major Ions N175

Sample: N175A, Parameter: El. conductivity (25°C)



Parameter oriented report Nutrients/Major Ions N175

Sample: N175B, Parameter: El. conductivity (25°C)

Parameter oriented report

N175 B

El. conductivity (25°C)

Unit	µS/cm
Assigned value ± U (k=2)	533 ± 1.36
Criterion	6.93 (1.3 %)
Minimum - Maximum	522 - 546
Control test value ± U (k=2)	524.0 ± 26.2

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	536	10	101	0.4	
LC0002	542	23.8	102	1.26	
LC0003	524	1.2	98.3	-1.33	
LC0004	537	3.8	101	0.54	
LC0005	524	11	98.3	-1.33	
LC0006	533	22	100	-0.03	
LC0007	538	10	101	0.69	
LC0008	535	7.49	100	0.25	
LC0009	531	0.0636	99.6	-0.32	
LC0010	537.5	3.333	101	0.61	
LC0011	539	2.69	101	0.83	
LC0012	-	-	-	-	
LC0013	535	1.88	100	0.25	
LC0014	534	16	100	0.11	
LC0015	535	80.3	100	0.25	
LC0016	516	6.35	96.8	-2.49	H
LC0017	549	82.4	103	2.27	H
LC0018	-	-	-	-	
LC0019	-	-	-	-	
LC0020	546	55	102	1.84	
LC0021	530	5	99.4	-0.47	
LC0022	513	26	96.2	-2.92	H
LC0023	536	4.82	101	0.4	
LC0024	531	10.6	99.6	-0.32	
LC0025	533	29.84	100	-0.03	
LC0026	-	-	-	-	
LC0027	532	14.9	99.8	-0.18	
LC0028	531	2	99.6	-0.32	
LC0029	536.8	30.4	101	0.51	
LC0030	532.4	7.45	99.8	-0.12	
LC0031	523	12	98.1	-1.48	
LC0032	539	16.2	101	0.83	
LC0033	530	11.7	99.4	-0.47	
LC0034	535	26.75	100	0.25	
LC0035	-	-	-	-	
LC0036	537	10	101	0.54	
LC0037	536	13.4	101	0.4	
LC0038	528	5	99	-0.76	
LC0039	530	53	99.4	-0.47	
LC0040	537	5.4	101	0.54	

Parameter oriented report Nutrients/Major Ions N175

Sample: N175B, Parameter: El. conductivity (25°C)

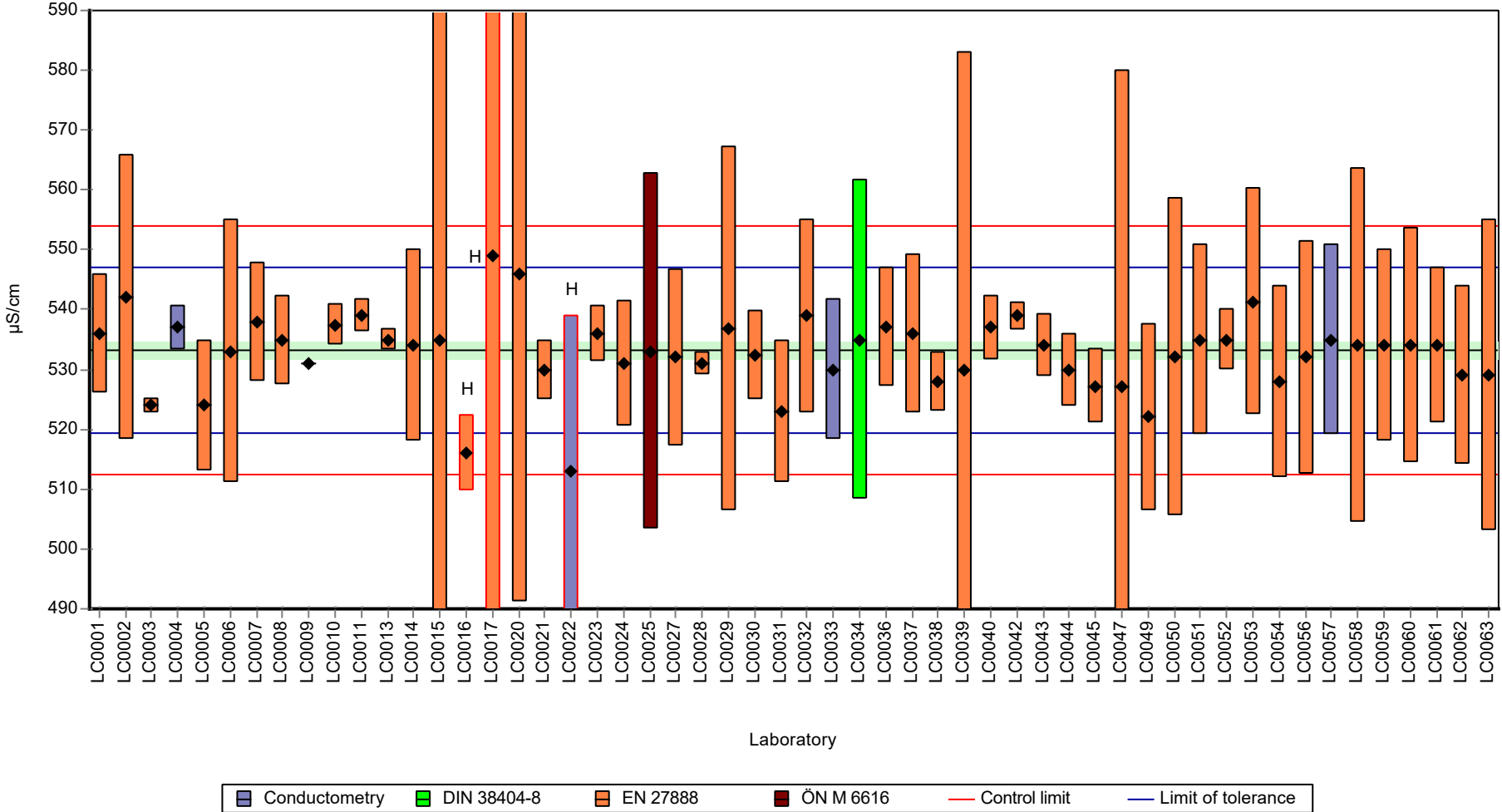
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0041	-	-	-	-	
LC0042	539	2.36	101	0.83	
LC0043	534	5.3	100	0.11	
LC0044	530	6.095	99.4	-0.47	
LC0045	527.2	6.16824	98.9	-0.87	
LC0046	-	-	-	-	
LC0047	527	53	98.8	-0.9	
LC0048	-	-	-	-	
LC0049	522	15.7	97.9	-1.62	
LC0050	532	26.6	99.8	-0.18	
LC0051	535	16	100	0.25	
LC0052	535	5	100	0.25	
LC0053	541.3	19	102	1.16	
LC0054	528	16	99	-0.76	
LC0055	-	-	-	-	
LC0056	532	19.6308	99.8	-0.18	
LC0057	535	16	100	0.25	
LC0058	534	29.7	100	0.11	
LC0059	534	16	100	0.11	
LC0060	534	19.686	100	0.11	
LC0061	534	13.1	100	0.11	
LC0062	529	15	99.2	-0.61	
LC0063	529	26	99.2	-0.61	

Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± CI (99%)	533 ± 2.59	533 ± 2.04	µS/cm
Minimum	513	522	µS/cm
Maximum	549	546	µS/cm
Standard deviation	6.33	4.86	µS/cm
rel. standard deviation	1.19	0.91	%
n	54	51	-

Graphical presentation of results

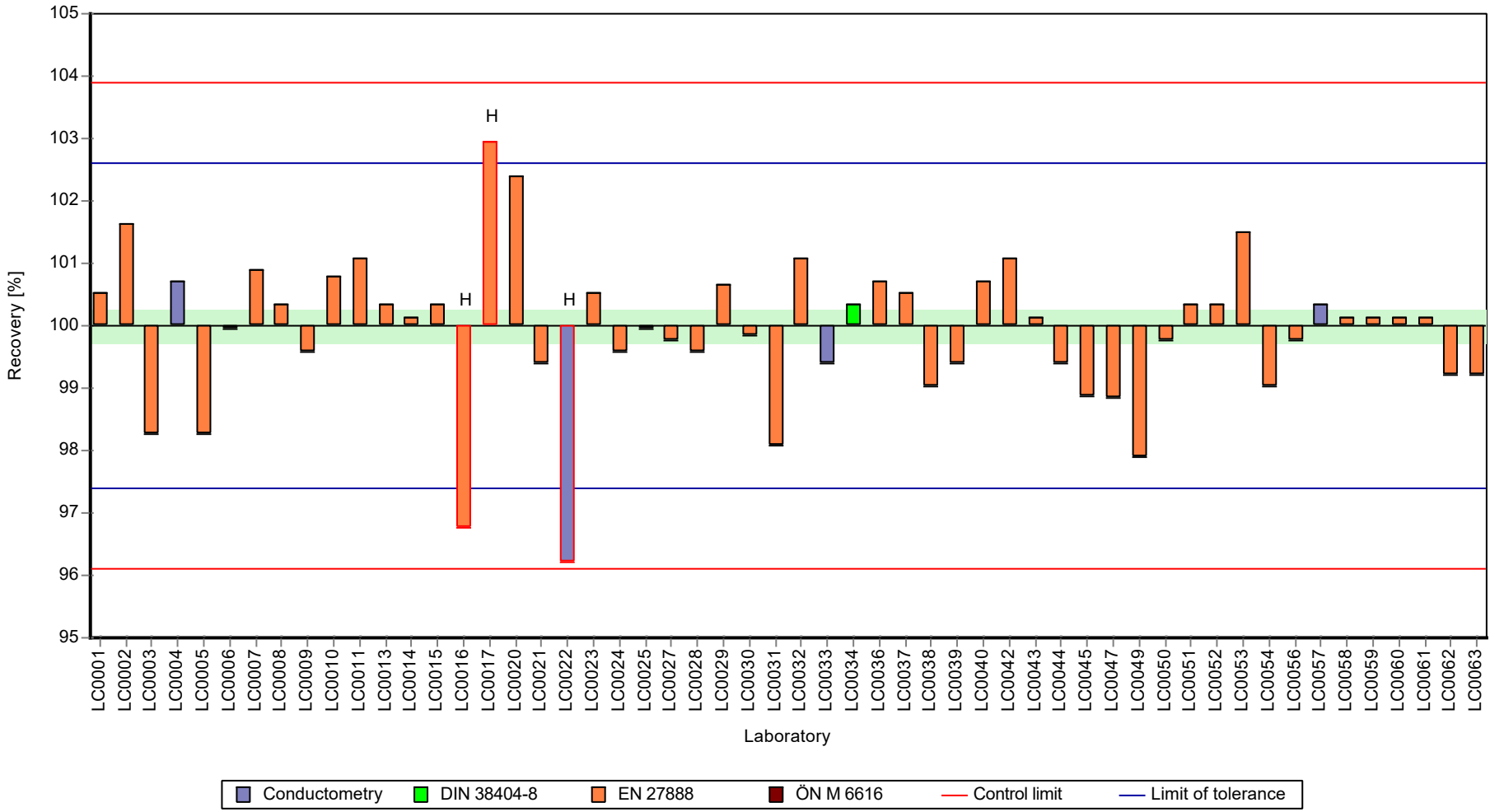
Results



Parameter oriented report Nutrients/Major Ions N175

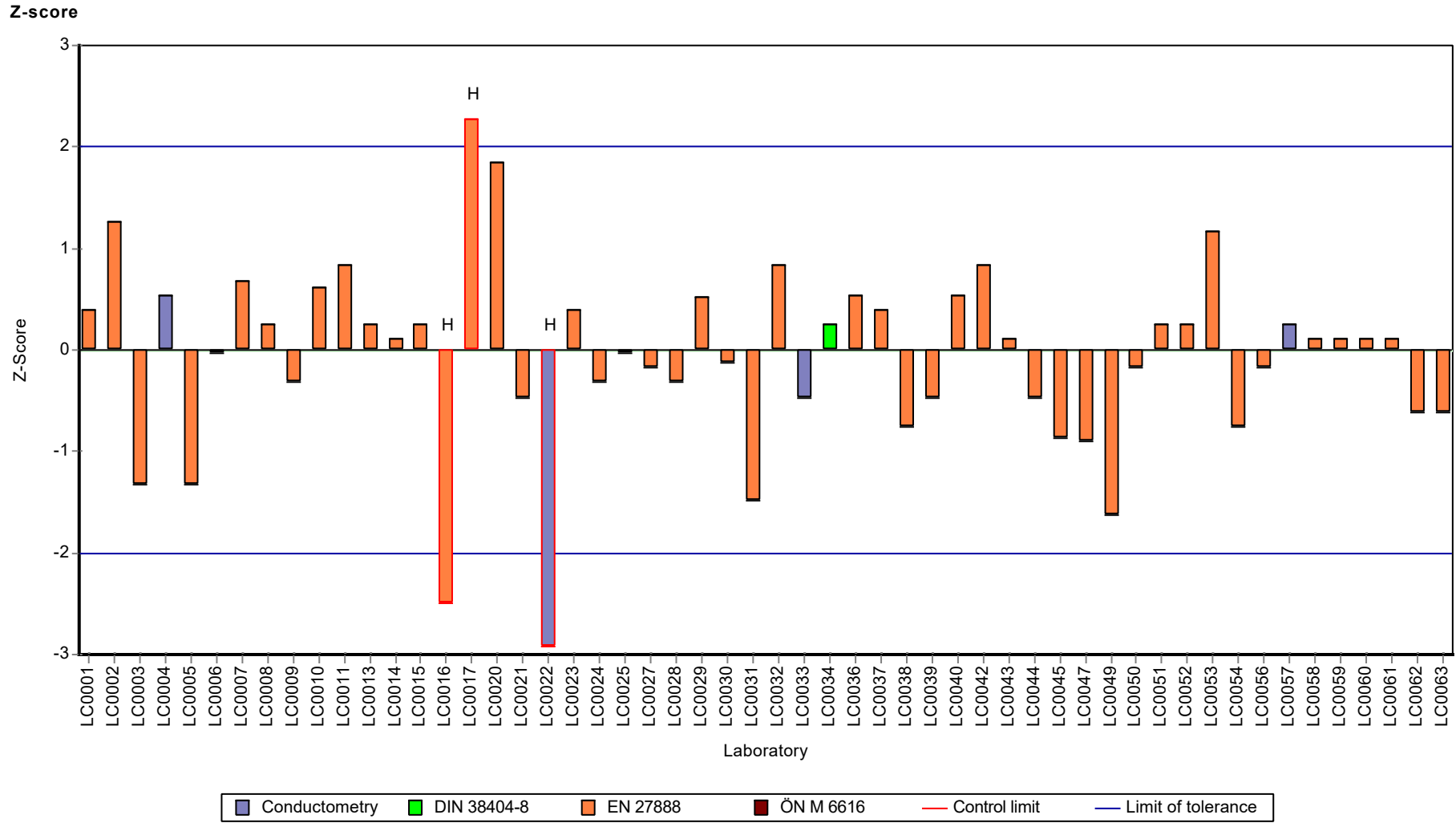
Sample: N175B, Parameter: El. conductivity (25°C)

Recovery rate



Parameter oriented report Nutrients/Major Ions N175

Sample: N175B, Parameter: El. conductivity (25°C)



Parameter oriented report Nutrients/Major Ions N175

Sample: N175A, Parameter: Total-P (as PO4)

Parameter oriented report

N175 A

Total-P (as PO4)

Unit	mg/l
Assigned value ± U (k=2)	0.161 ± 0.00348
Criterion	0.0121 (7.5 %)
Minimum - Maximum	0.139 - 0.177
Control test value ± U (k=2)	0.155 ± 0.0233

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.1584	0.011	98.1	-0.25	
LC0002	-	-	-	-	
LC0003	0.148	0.001	91.7	-1.11	
LC0004	0.16	0.021	99.1	-0.12	
LC0005	-	-	-	-	
LC0006	0.165	0.02	102	0.3	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.177	0.00381	110	1.29	
LC0010	0.1755	0.0602	109	1.16	
LC0011	0.139	0.0132	86.1	-1.85	
LC0012	0.159	0.0159	98.5	-0.2	
LC0013	-	-	-	-	
LC0014	0.175	0.042	108	1.12	
LC0015	0.171	0.0257	106	0.79	
LC0016	0.158	0.0067	97.9	-0.28	
LC0017	0.1527	0.0229	94.6	-0.72	
LC0018	-	-	-	-	
LC0019	-	-	-	-	
LC0020	0.158	0.032	97.9	-0.28	
LC0021	-	-	-	-	
LC0022	0.1223	0.012	75.8	-3.23	H
LC0023	-	-	-	-	
LC0024	0.164	0.0083	102	0.21	
LC0025	0.166	0.017	103	0.38	
LC0026	-	-	-	-	
LC0027	-	-	-	-	
LC0028	0.1502	0.005	93	-0.93	
LC0029	0.159	0.026	98.5	-0.2	
LC0030	-	-	-	-	
LC0031	-	-	-	-	
LC0032	-	-	-	-	
LC0033	-	-	-	-	
LC0034	0.145	0.017	89.8	-1.36	
LC0035	-	-	-	-	
LC0036	0.163	0.0163	101	0.13	
LC0037	0.16556	0.00993	103	0.34	
LC0038	-	-	-	-	
LC0039	0.159	0.011	98.5	-0.2	
LC0040	0.052	0.0018	32.2	-9.04	H

Parameter oriented report Nutrients/Major Ions N175

Sample: N175A, Parameter: Total-P (as PO4)

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0041	-	-	-	-	
LC0042	0.0765	0.005	47.4	-7.01	H
LC0043	-	-	-	-	
LC0044	0.155	0.0097	96	-0.53	
LC0045	0.171	0.0211	106	0.79	
LC0046	-	-	-	-	
LC0047	0.212	0.02	131	4.18	H
LC0048	-	-	-	-	
LC0049	-	-	-	-	
LC0050	-	-	-	-	
LC0051	0.158	0.013	97.9	-0.28	
LC0052	0.17	0.02	105	0.71	
LC0053	0.167	0.031	103	0.46	
LC0054	0.166	0.011	103	0.38	
LC0055	-	-	-	-	
LC0056	0.31	0.0465	192	12.27	H
LC0057	-	-	-	-	
LC0058	0.153	0.016	94.8	-0.7	
LC0059	0.056	0.008	34.7	-8.71	H
LC0060	0.173	0.0173	107	0.96	
LC0061	-	-	-	-	
LC0062	-	-	-	-	
LC0063	-	-	-	-	

Characteristics of parameter

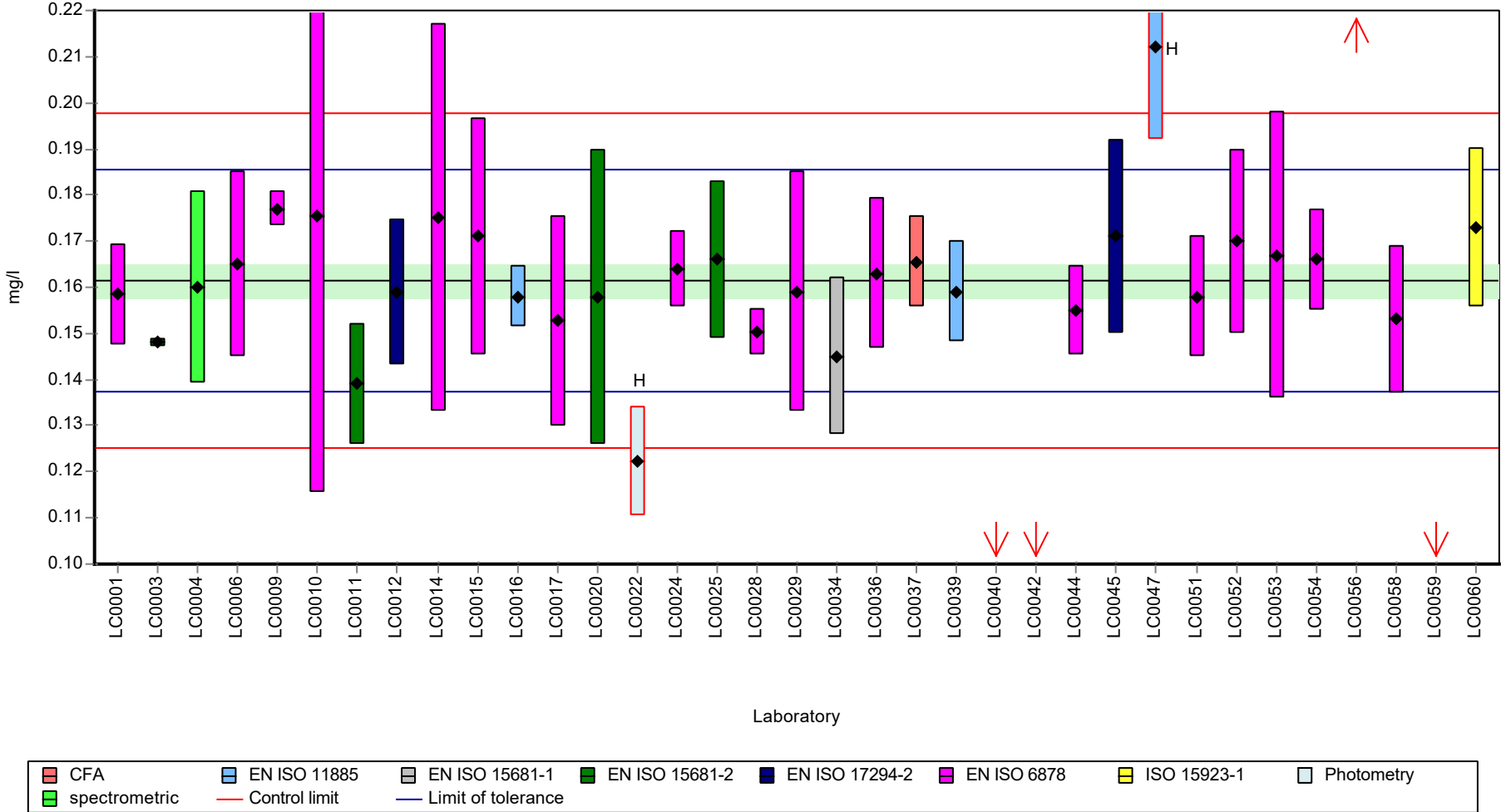
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.157 ± 0.021	0.161 ± 0.00522	mg/l
Minimum	0.052	0.139	mg/l
Maximum	0.31	0.177	mg/l
Standard deviation	0.0414	0.00937	mg/l
rel. standard deviation	26.3	5.81	%
n	35	29	-

Parameter oriented report Nutrients/Major Ions N175

Sample: N175A, Parameter: Total-P (as PO₄)

Graphical presentation of results

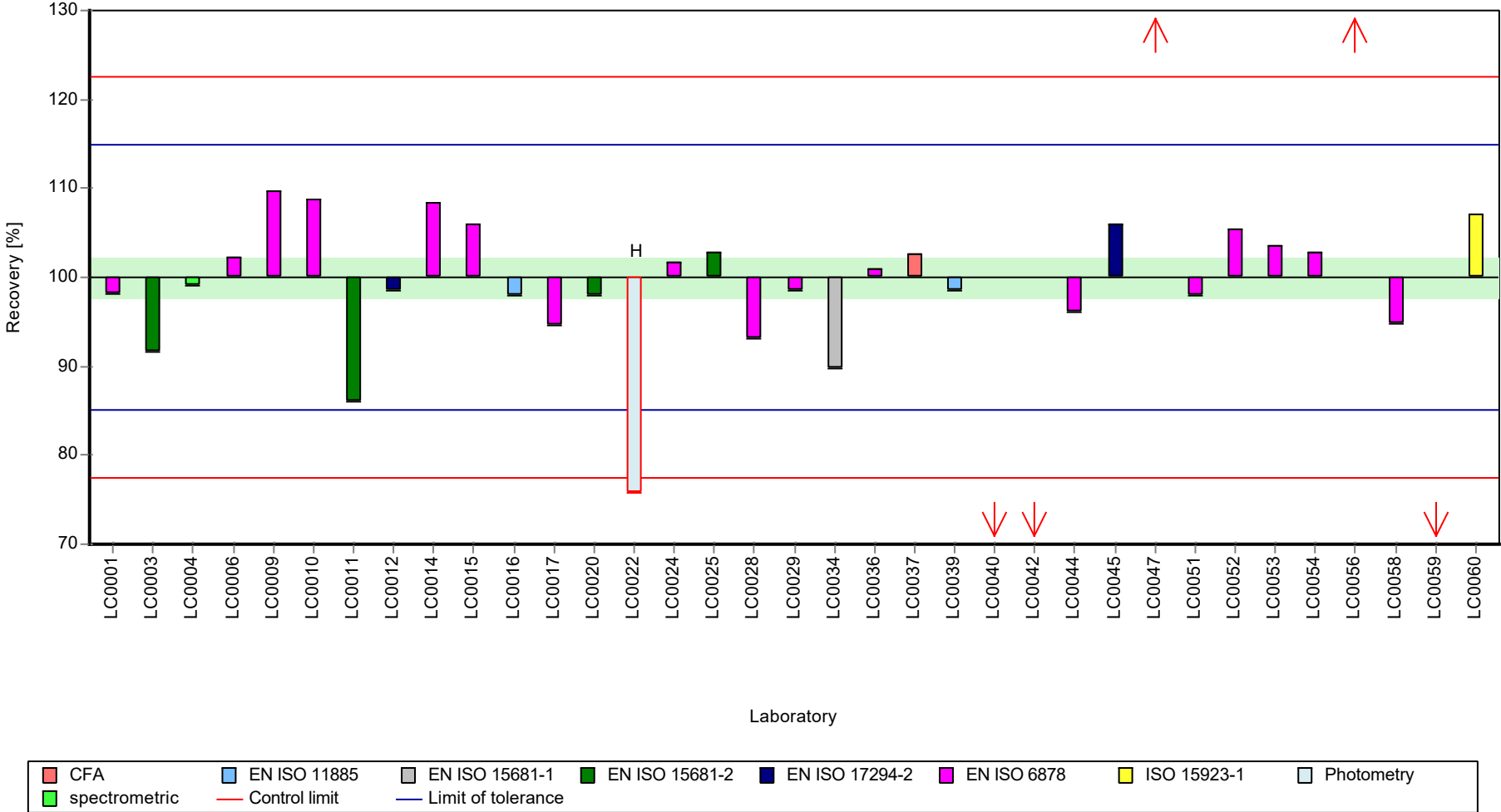
Results



Parameter oriented report Nutrients/Major Ions N175

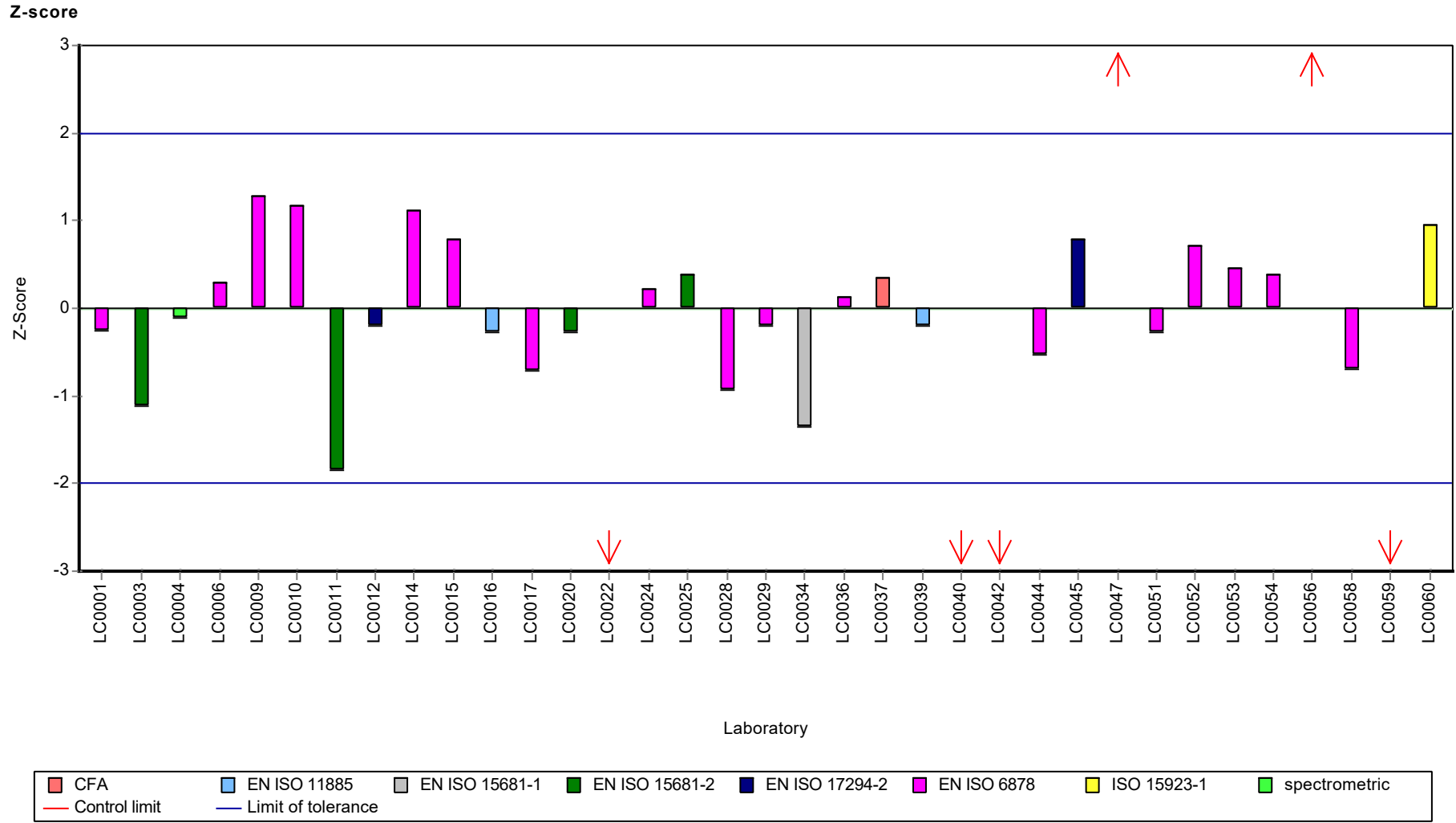
Sample: N175A, Parameter: Total-P (as PO4)

Recovery rate



Parameter oriented report Nutrients/Major Ions N175

Sample: N175A, Parameter: Total-P (as PO4)



Parameter oriented report Nutrients/Major Ions N175

Sample: N175B, Parameter: Total-P (as PO4)

Parameter oriented report

N175 B

Total-P (as PO4)

Unit	mg/l
Assigned value ± U (k=2)	2.17 ± 0.0523
Criterion	0.162 (7.5 %)
Minimum - Maximum	1.81 - 2.52
Control test value ± U (k=2)	2.22 ± 0.333

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	2.1232	0.147	98.1	-0.26	
LC0002	-	-	-	-	
LC0003	1.85	0.012	85.4	-1.94	
LC0004	2.19	0.29	101	0.15	
LC0005	-	-	-	-	
LC0006	2.11	0.2	97.4	-0.34	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	2.52	0.0468	116	2.18	
LC0010	2.21	0.133	102	0.28	
LC0011	2.07	0.197	95.6	-0.59	
LC0012	2.39	0.0239	110	1.38	
LC0013	-	-	-	-	
LC0014	2.2	0.31	102	0.21	
LC0015	2.247	0.337	104	0.5	
LC0016	2.24	0.095	103	0.46	
LC0017	2.113	0.317	97.6	-0.32	
LC0018	-	-	-	-	
LC0019	-	-	-	-	
LC0020	1.88	0.38	86.8	-1.76	
LC0021	-	-	-	-	
LC0022	2.29	0.2285	106	0.77	
LC0023	-	-	-	-	
LC0024	2.14	0.1	98.8	-0.16	
LC0025	2.047	0.205	94.5	-0.73	
LC0026	-	-	-	-	
LC0027	-	-	-	-	
LC0028	2.076	0.005	95.9	-0.55	
LC0029	2.085	0.334	96.3	-0.49	
LC0030	-	-	-	-	
LC0031	-	-	-	-	
LC0032	-	-	-	-	
LC0033	-	-	-	-	
LC0034	2.261	0.271	104	0.59	
LC0035	-	-	-	-	
LC0036	2.11	0.211	97.4	-0.34	
LC0037	1.80894	0.10854	83.5	-2.19	
LC0038	-	-	-	-	
LC0039	2.36	0.157	109	1.2	
LC0040	0.61	0.021	28.2	-9.58	H

Parameter oriented report Nutrients/Major Ions N175

Sample: N175B, Parameter: Total-P (as PO4)

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0041	-	-	-	-	
LC0042	0.603	0.039	27.8	-9.62	H
LC0043	-	-	-	-	
LC0044	2.077	0.1298	95.9	-0.54	
LC0045	2.26	0.27888	104	0.58	
LC0046	-	-	-	-	
LC0047	2.35	0.24	109	1.14	
LC0048	-	-	-	-	
LC0049	-	-	-	-	
LC0050	-	-	-	-	
LC0051	2.14	0.17	98.8	-0.16	
LC0052	2.2	0.2	102	0.21	
LC0053	2.2	0.4	102	0.21	
LC0054	2.24	0.15	103	0.46	
LC0055	-	-	-	-	
LC0056	2.13	0.3195	98.4	-0.22	
LC0057	-	-	-	-	
LC0058	2.13	0.23	98.4	-0.22	
LC0059	0.767	0.115	35.4	-8.61	H
LC0060	2.24	0.0173	103	0.46	
LC0061	-	-	-	-	
LC0062	-	-	-	-	
LC0063	-	-	-	-	

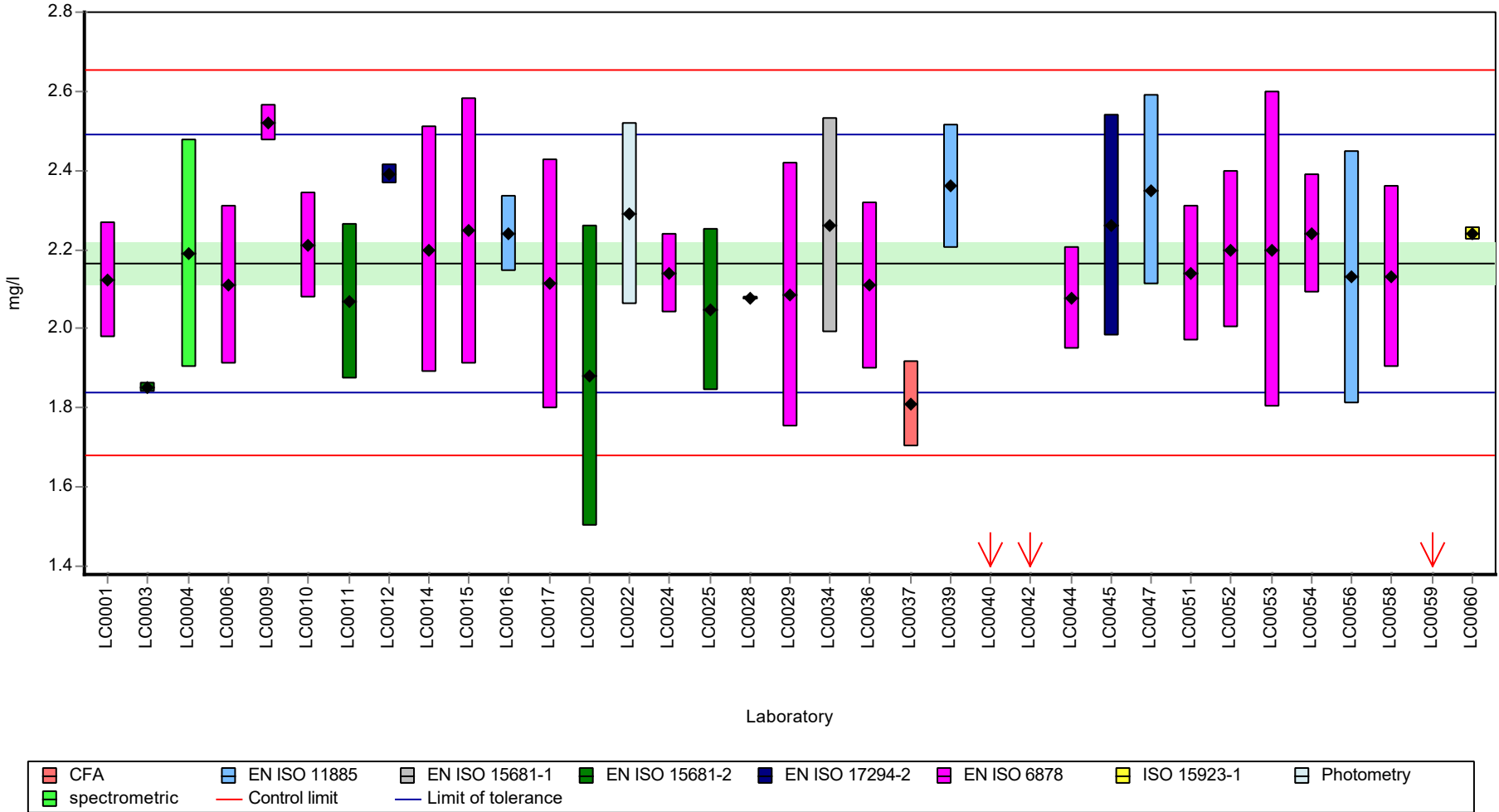
Characteristics of parameter

	all results	w ithout outliers	Unit
Mean ± CI (99%)	2.04 ± 0.229	2.17 ± 0.0785	mg/l
Minimum	0.603	1.81	mg/l
Maximum	2.52	2.52	mg/l
Standard deviation	0.451	0.148	mg/l
rel. standard deviation	22.1	6.84	%
n	35	32	-

Parameter oriented report Nutrients/Major Ions N175

Sample: N175B, Parameter: Total-P (as PO4)

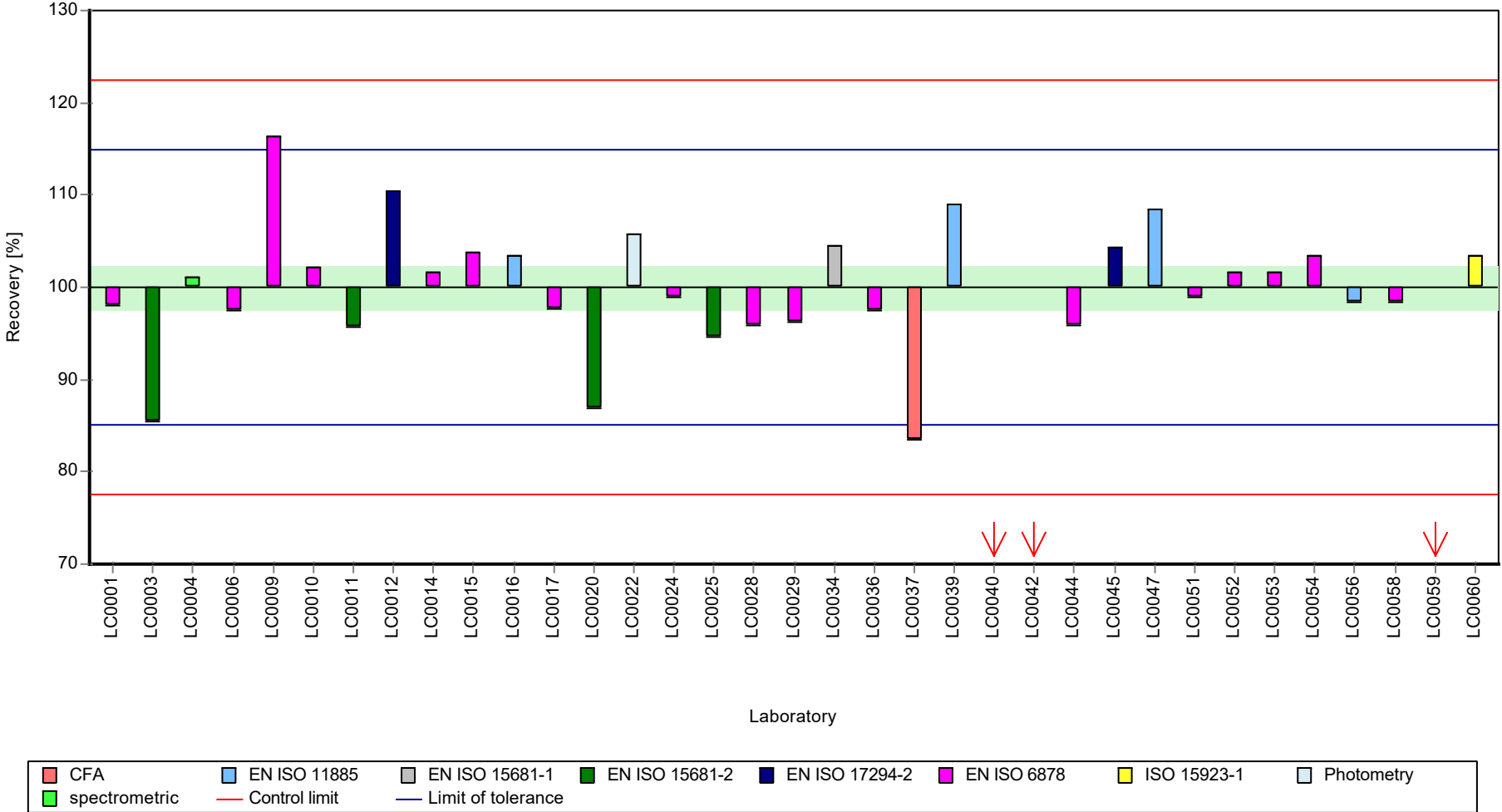
Graphical presentation of results
Results



Parameter oriented report Nutrients/Major Ions N175

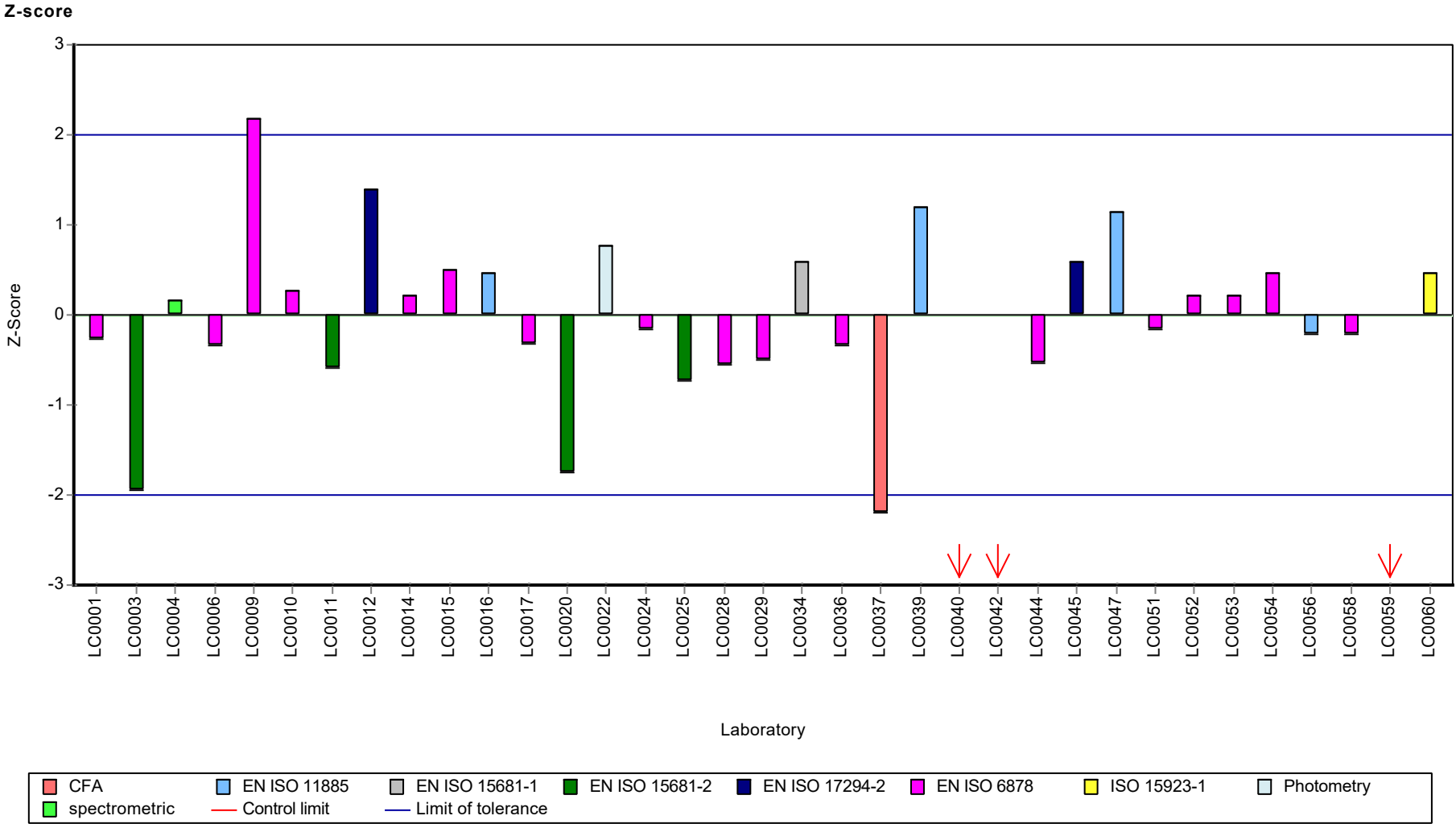
Sample: N175B, Parameter: Total-P (as PO4)

Recovery rate



Parameter oriented report Nutrients/Major Ions N175

Sample: N175B, Parameter: Total-P (as PO4)



Parameter oriented report Nutrients/Major Ions N175

Sample: N175A, Parameter: Total hardness

Parameter oriented report

N175 A

Total hardness

Unit	mmol/l
Assigned value ± U (k=2)	5.74 ± 0.0381
Criterion	0.172 (3 %)
Minimum - Maximum	5.55 - 5.97
Control test value ± U (k=2)	5.46 ± 1.09

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	5.58	0.6	97.3	-0.91	
LC0002	5.57	0.62	97.1	-0.97	
LC0003	5.97	0.11	104	1.36	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	5.8	0.2	101	0.37	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	5.69	0.0483	99.2	-0.27	
LC0010	5.901	0.152	103	0.95	
LC0011	5.92	0.474	103	1.06	
LC0012	5.87	0.587	102	0.77	
LC0013	-	-	-	-	
LC0014	5.9	0.3	103	0.95	
LC0015	5.633	0.845	98.2	-0.6	
LC0016	5.77	0.23	101	0.19	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	-	-	-	-	
LC0020	5.55	0.55	96.7	-1.09	
LC0021	5.775	0.578	101	0.22	
LC0022	-	-	-	-	
LC0023	5.74	0.574	100	0.02	
LC0024	5.84	0.13	102	0.6	
LC0025	5.74	0.58	100	0.02	
LC0026	-	-	-	-	
LC0027	-	-	-	-	
LC0028	5.742	0.1	100	0.03	
LC0029	5.757	0.766	100	0.12	
LC0030	-	-	-	-	
LC0031	-	-	-	-	
LC0032	-	-	-	-	
LC0033	5.73	0.23	99.9	-0.04	
LC0034	-	-	-	-	
LC0035	5.752	0.575	100	0.09	
LC0036	5.66	0.56	98.7	-0.45	
LC0037	5.76	0.2304	100	0.14	
LC0038	5.86	0.59	102	0.72	
LC0039	5.58	0.558	97.3	-0.91	
LC0040	-	-	-	-	

Parameter oriented report Nutrients/Major Ions N175

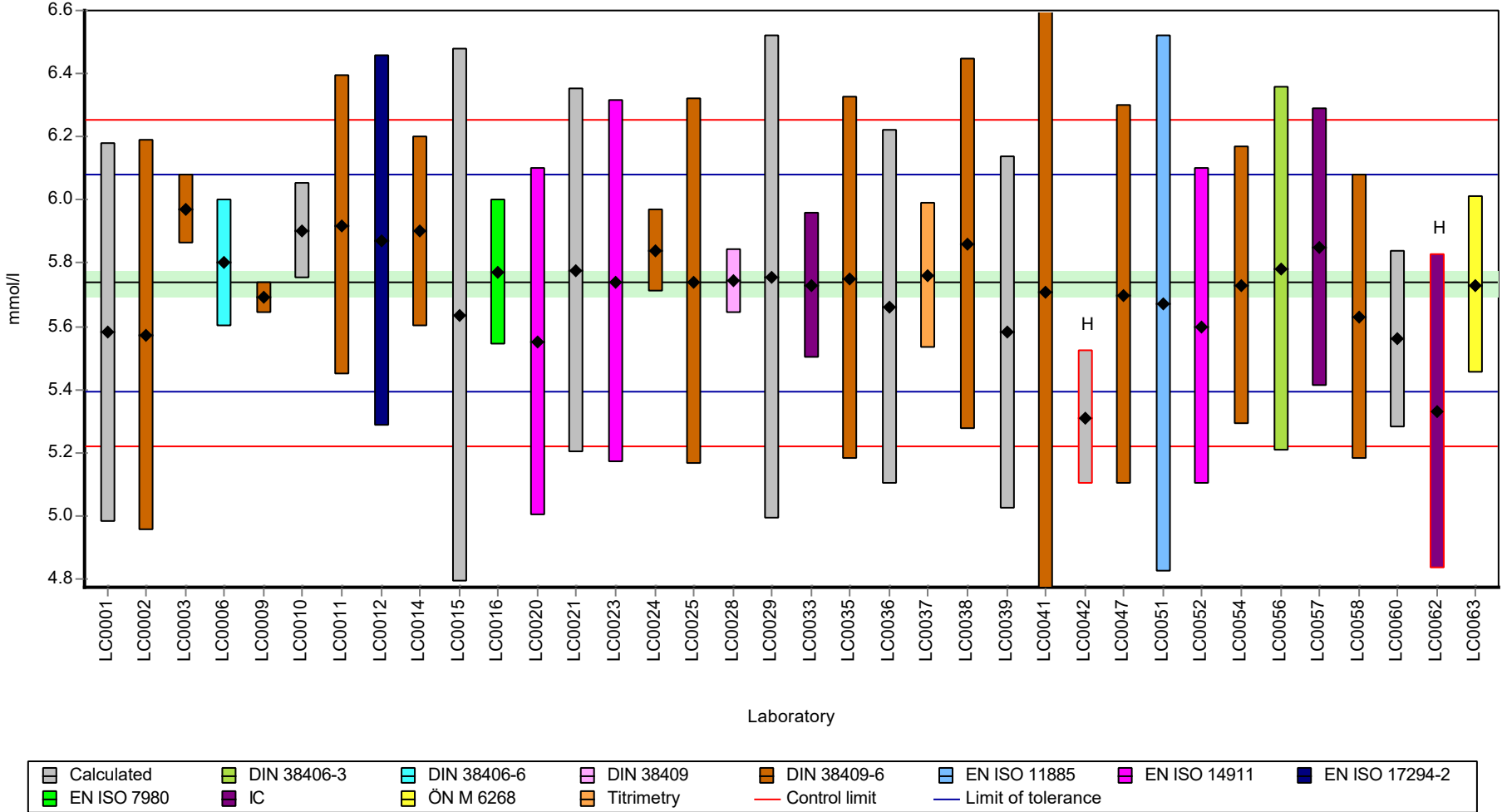
Sample: N175A, Parameter: Total hardness

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0041	5.71	2.3	99.5	-0.16	
LC0042	5.31	0.212	92.6	-2.48	H
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	-	-	-	-	
LC0046	-	-	-	-	
LC0047	5.7	0.6	99.4	-0.21	
LC0048	-	-	-	-	
LC0049	-	-	-	-	
LC0050	-	-	-	-	
LC0051	5.67	0.85	98.8	-0.39	
LC0052	5.6	0.5	97.6	-0.79	
LC0053	-	-	-	-	
LC0054	5.73	0.44	99.9	-0.04	
LC0055	-	-	-	-	
LC0056	5.78	0.578	101	0.25	
LC0057	5.85	0.44	102	0.66	
LC0058	5.63	0.45	98.1	-0.62	
LC0059	-	-	-	-	
LC0060	5.56	0.28	96.9	-1.03	
LC0061	-	-	-	-	
LC0062	5.33	0.5	92.9	-2.36	H
LC0063	5.73	0.28	99.9	-0.04	

Characteristics of parameter

	all results	w without outliers	Unit
Mean ± CI (99%)	5.71 ± 0.0724	5.74 ± 0.0571	mmol/l
Minimum	5.31	5.55	mmol/l
Maximum	5.97	5.97	mmol/l
Standard deviation	0.145	0.111	mmol/l
rel. standard deviation	2.54	1.93	%
n	36	34	-

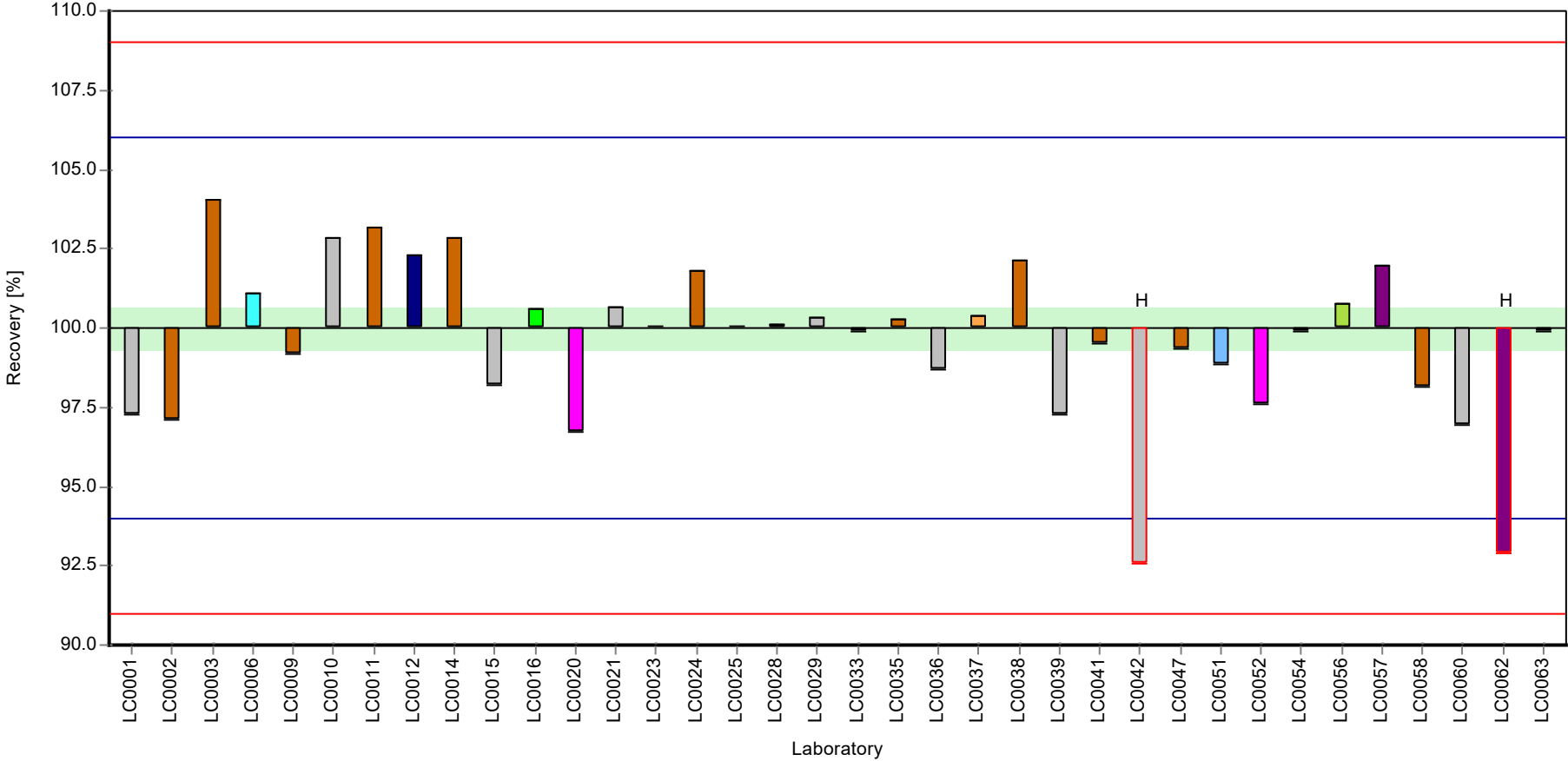
Graphical presentation of results
Results



Parameter oriented report Nutrients/Major Ions N175

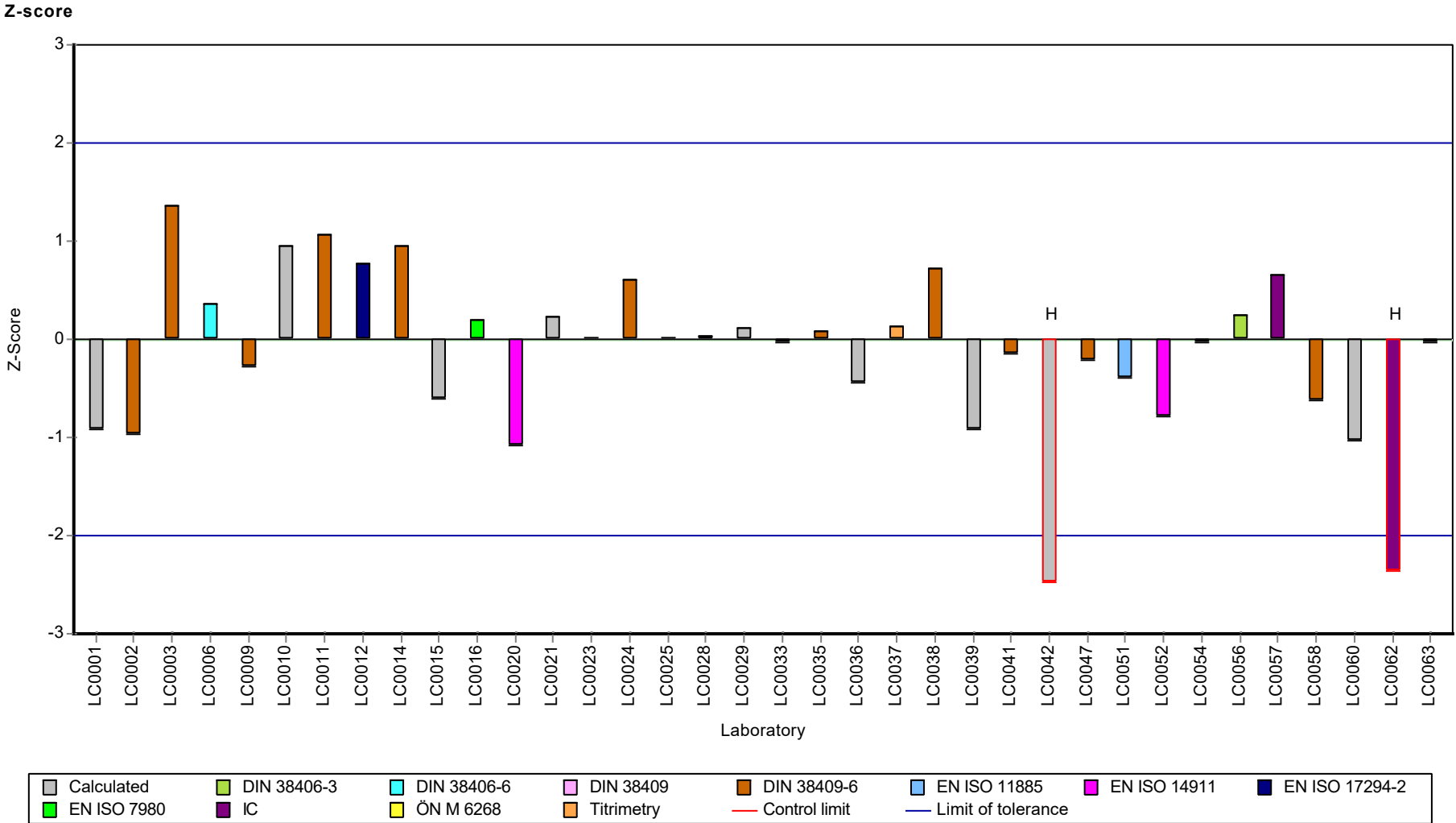
Sample: N175A, Parameter: Total hardness

Recovery rate



Parameter oriented report Nutrients/Major Ions N175

Sample: N175A, Parameter: Total hardness



Parameter oriented report Nutrients/Major Ions N175

Sample: N175B, Parameter: Total hardness

Parameter oriented report

N175 B

Total hardness

Unit	mmol/l
Assigned value ± U (k=2)	2.34 ± 0.0174
Criterion	0.0701 (3 %)
Minimum - Maximum	2.21 - 2.45
Control test value ± U (k=2)	2.25 ± 0.449

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	2.28	3	97.6	-0.82	
LC0002	2.29	0.25	98	-0.67	
LC0003	2.36	0.006	101	0.33	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	2.31	0.1	98.8	-0.39	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	2.4	0.0156	103	0.9	
LC0010	2.44	0.0573	104	1.47	
LC0011	2.387	0.191	102	0.71	
LC0012	2.32	0.232	99.3	-0.25	
LC0013	-	-	-	-	
LC0014	2.35	0.12	101	0.18	
LC0015	2.325	0.349	99.5	-0.17	
LC0016	2.39	0.0956	102	0.75	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	-	-	-	-	
LC0020	2.33	0.23	99.7	-0.1	
LC0021	2.321	0.232	99.3	-0.23	
LC0022	-	-	-	-	
LC0023	2.33	0.233	99.7	-0.1	
LC0024	2.34	0.051	100	0.04	
LC0025	2.35	0.24	101	0.18	
LC0026	-	-	-	-	
LC0027	-	-	-	-	
LC0028	2.4	0.1	103	0.9	
LC0029	2.206	0.294	94.4	-1.87	
LC0030	-	-	-	-	
LC0031	-	-	-	-	
LC0032	-	-	-	-	
LC0033	2.291	0.09	98	-0.66	
LC0034	-	-	-	-	
LC0035	2.31	0.231	98.8	-0.39	
LC0036	2.275	0.22	97.3	-0.89	
LC0037	2.36	0.0944	101	0.33	
LC0038	2.42	0.24	104	1.18	
LC0039	2.3	0.23	98.4	-0.53	
LC0040	-	-	-	-	

Parameter oriented report Nutrients/Major Ions N175

Sample: N175B, Parameter: Total hardness

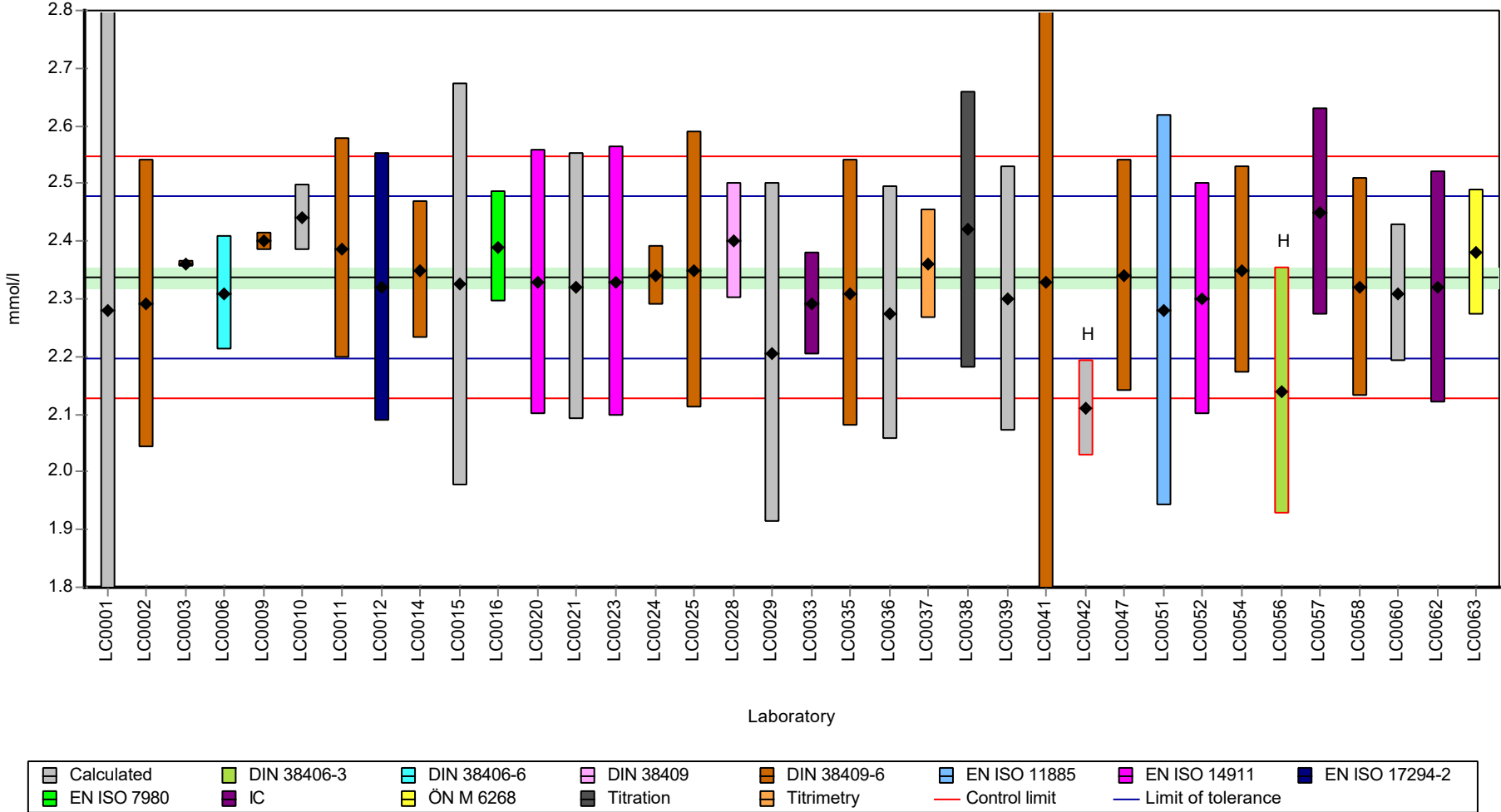
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0041	2.33	0.93	99.7	-0.1	
LC0042	2.11	0.0844	90.3	-3.24	H
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	-	-	-	-	
LC0046	-	-	-	-	
LC0047	2.34	0.2	100	0.04	
LC0048	-	-	-	-	
LC0049	-	-	-	-	
LC0050	-	-	-	-	
LC0051	2.28	0.34	97.6	-0.82	
LC0052	2.3	0.2	98.4	-0.53	
LC0053	-	-	-	-	
LC0054	2.35	0.18	101	0.18	
LC0055	-	-	-	-	
LC0056	2.14	0.214	91.6	-2.81	H
LC0057	2.45	0.18	105	1.61	
LC0058	2.32	0.19	99.3	-0.25	
LC0059	-	-	-	-	
LC0060	2.31	0.12	98.8	-0.39	
LC0061	-	-	-	-	
LC0062	2.32	0.2	99.3	-0.25	
LC0063	2.38	0.11	102	0.61	

Characteristics of parameter

	all results	w without outliers	Unit
Mean ± CI (99%)	2.33 ± 0.0349	2.34 ± 0.0261	mmol/l
Minimum	2.11	2.21	mmol/l
Maximum	2.45	2.45	mmol/l
Standard deviation	0.0698	0.0508	mmol/l
rel. standard deviation	3	2.17	%
n	36	34	-

Graphical presentation of results

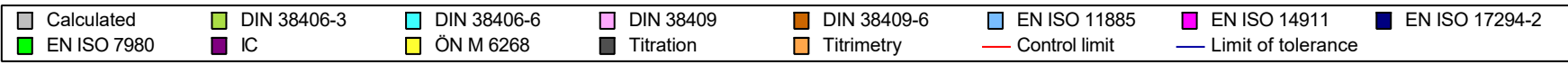
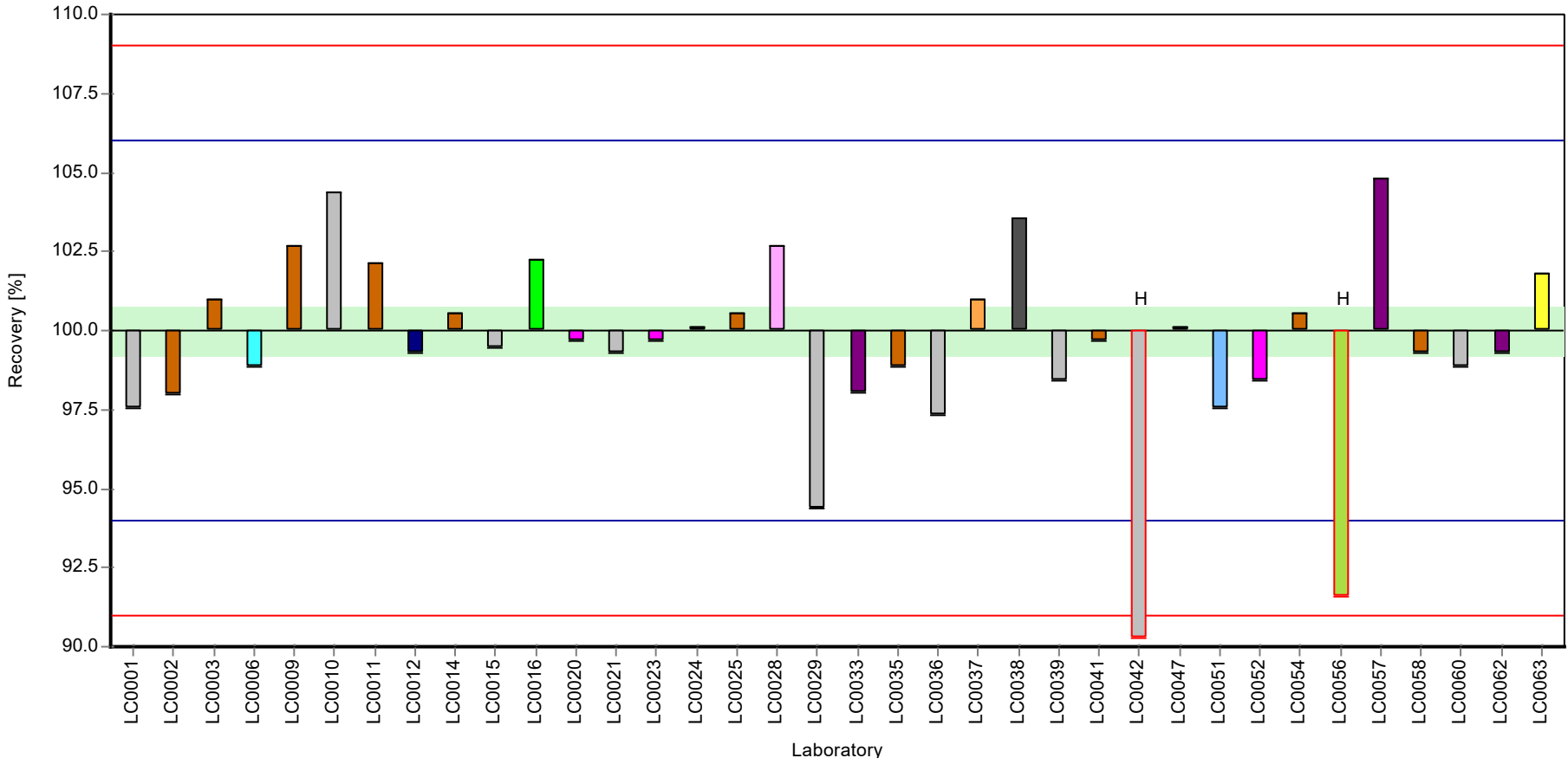
Results



Parameter oriented report Nutrients/Major Ions N175

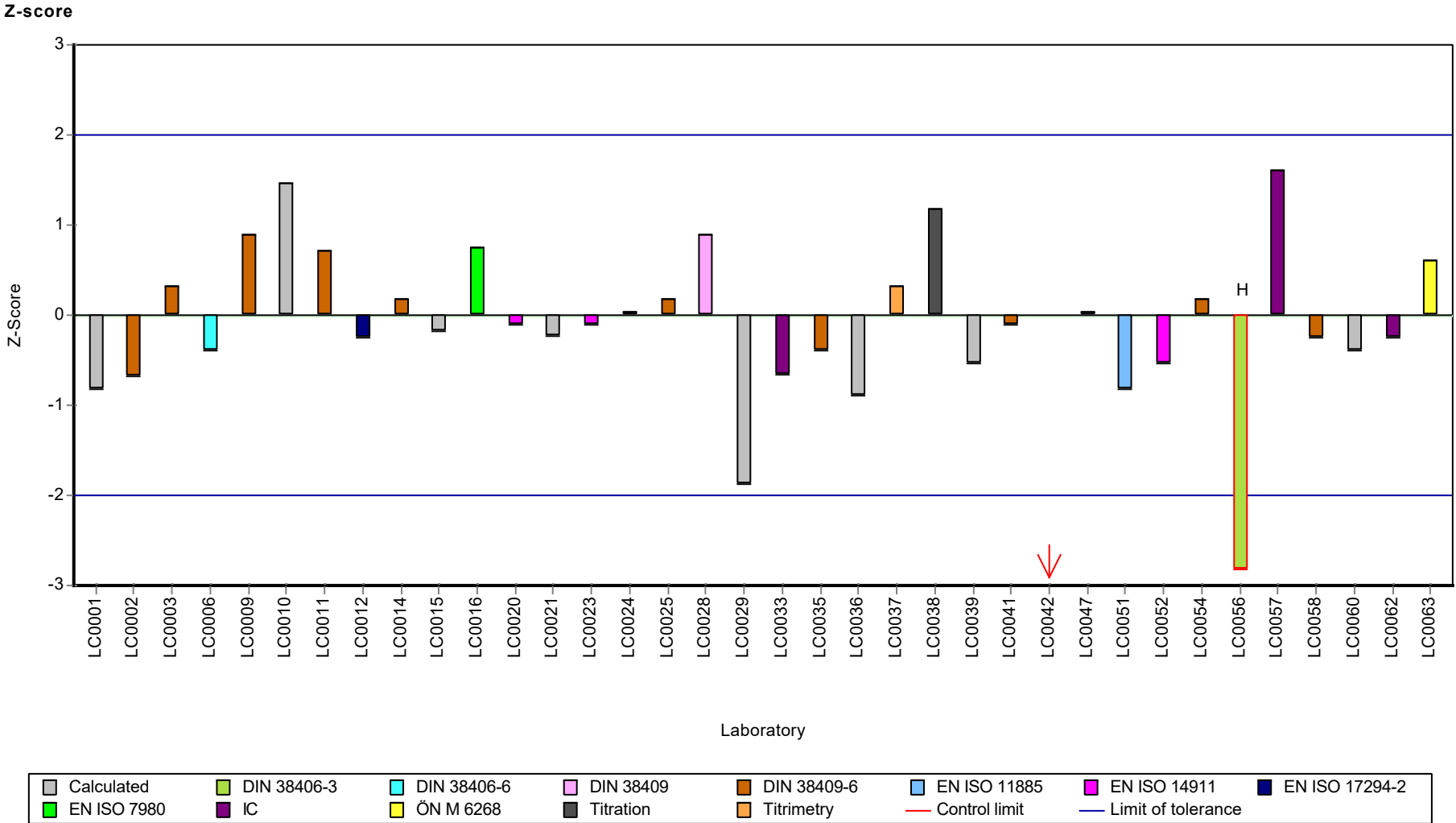
Sample: N175B, Parameter: Total hardness

Recovery rate



Parameter oriented report Nutrients/Major Ions N175

Sample: N175B, Parameter: Total hardness



Parameter oriented report Nutrients/Major Ions N175

Sample: N175A, Parameter: Total nitrogen

Parameter oriented report

N175 A

Total nitrogen

Unit	mg/l
Assigned value ± U (k=2)	2.96 ± 0.0892
Criterion	0.246 (8.3 %)
Minimum - Maximum	2.6 - 3.57
Control test value ± U (k=2)	3.22 ± 0.483

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	2.91	0.33	98.2	-0.22	
LC0003	2.94	0.095	99.2	-0.1	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	2.95	0.27	99.5	-0.06	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	3.05	0.692	103	0.35	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	3.126	0.469	105	0.66	
LC0016	2.8	0.19	94.5	-0.67	
LC0017	3.22	0.48	109	1.04	
LC0018	3.01	0.15	102	0.19	
LC0019	-	-	-	-	
LC0020	2.8	0.28	94.5	-0.67	
LC0021	-	-	-	-	
LC0022	2.69	0.27	90.8	-1.11	
LC0023	-	-	-	-	
LC0024	2.99	0.19	101	0.11	
LC0025	3.26	0.326	110	1.2	
LC0026	-	-	-	-	
LC0027	-	-	-	-	
LC0028	2.85	0.2	96.2	-0.46	
LC0029	-	-	-	-	
LC0030	2.815	0.0814	95	-0.61	
LC0031	-	-	-	-	
LC0032	-	-	-	-	
LC0033	-	-	-	-	
LC0034	2.677	0.382	90.3	-1.17	
LC0035	-	-	-	-	
LC0036	2.97	0.15	100	0.02	
LC0037	-	-	-	-	
LC0038	< 10 (LOQ)	-	-	-	
LC0039	3.085	0.308	104	0.49	
LC0040	-	-	-	-	

Parameter oriented report Nutrients/Major Ions N175

Sample: N175A, Parameter: Total nitrogen

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0041	13.7	2.1	462	43.64	H
LC0042	2.67	0.061	90.1	-1.2	
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	-	-	-	-	
LC0046	-	-	-	-	
LC0047	3.1756	0.41	107	0.86	
LC0048	-	-	-	-	
LC0049	2.76	0.551	93.1	-0.83	
LC0050	-	-	-	-	
LC0051	3.14	0.47	106	0.72	
LC0052	-	-	-	-	
LC0053	-	-	-	-	
LC0054	2.6	0.26	87.7	-1.48	
LC0055	-	-	-	-	
LC0056	3.143	0.3143	106	0.73	
LC0057	2.9	0.29	97.8	-0.26	
LC0058	-	-	-	-	
LC0059	-	-	-	-	
LC0060	3.57	0.357	120	2.46	
LC0061	-	-	-	-	
LC0062	-	-	-	-	
LC0063	-	-	-	-	

Characteristics of parameter

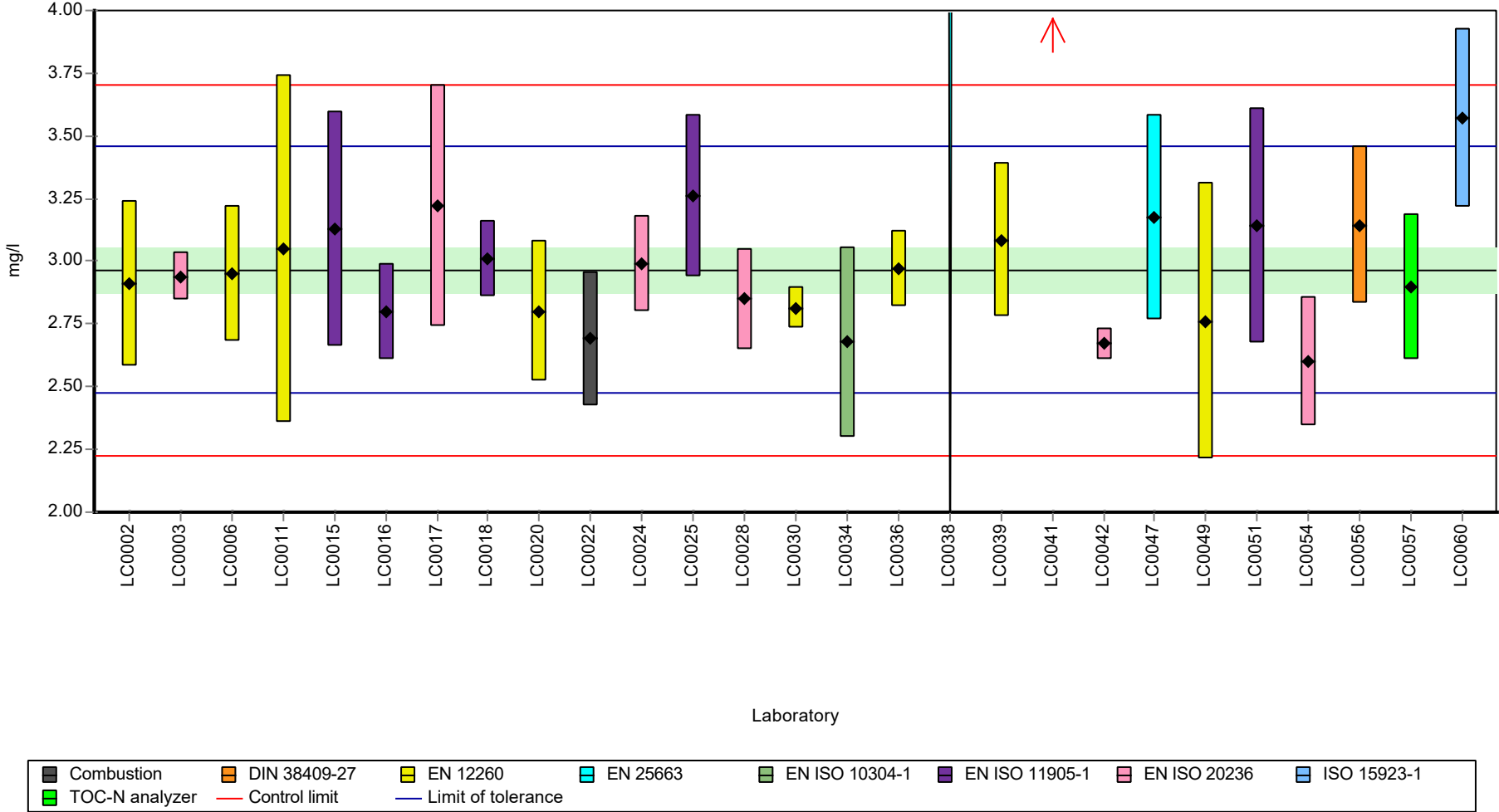
	all results	w ithout outliers	Unit
Mean ± CI (99%)	3.38 ± 1.25	2.96 ± 0.134	mg/l
Minimum	2.6	2.6	mg/l
Maximum	13.7	3.57	mg/l
Standard deviation	2.12	0.223	mg/l
rel. standard deviation	62.7	7.53	%
n	26	25	-

Parameter oriented report Nutrients/Major Ions N175

Sample: N175A, Parameter: Total nitrogen

Graphical presentation of results

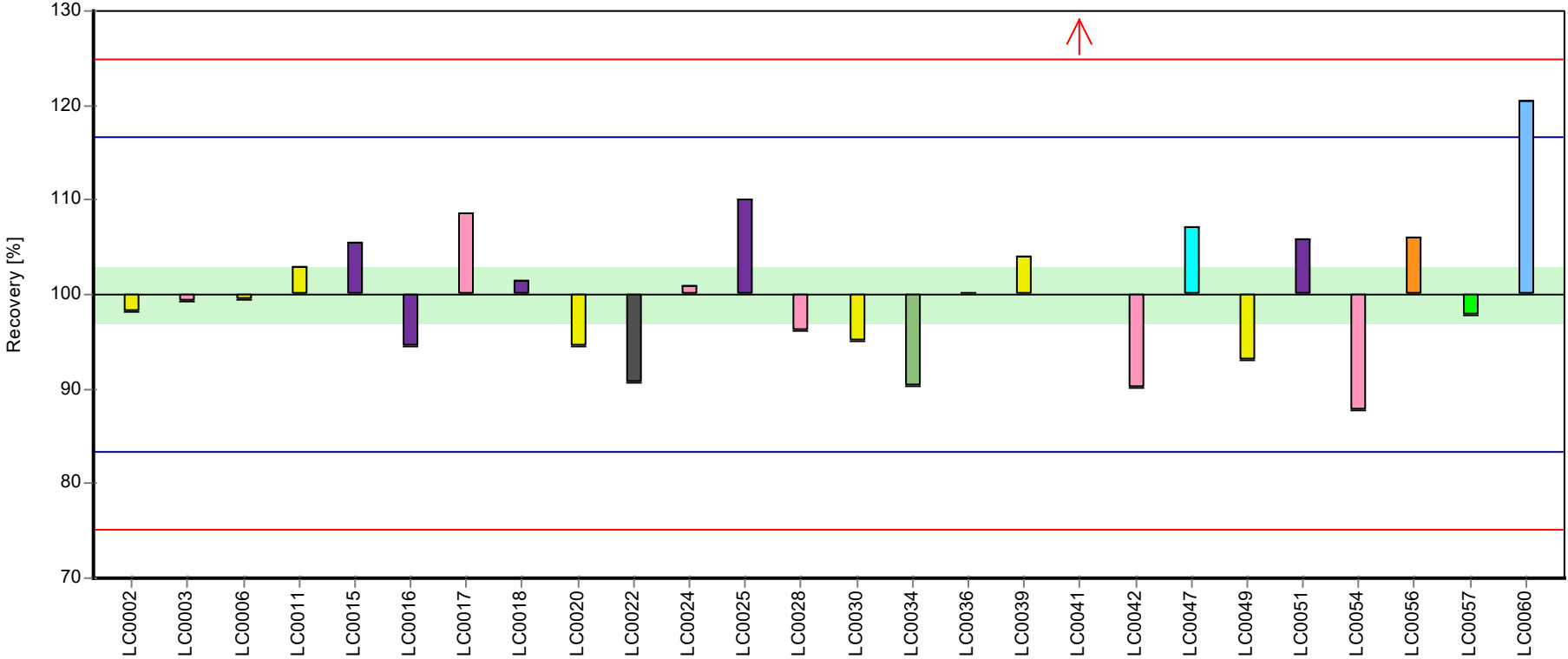
Results



Parameter oriented report Nutrients/Major Ions N175

Sample: N175A, Parameter: Total nitrogen

Recovery rate

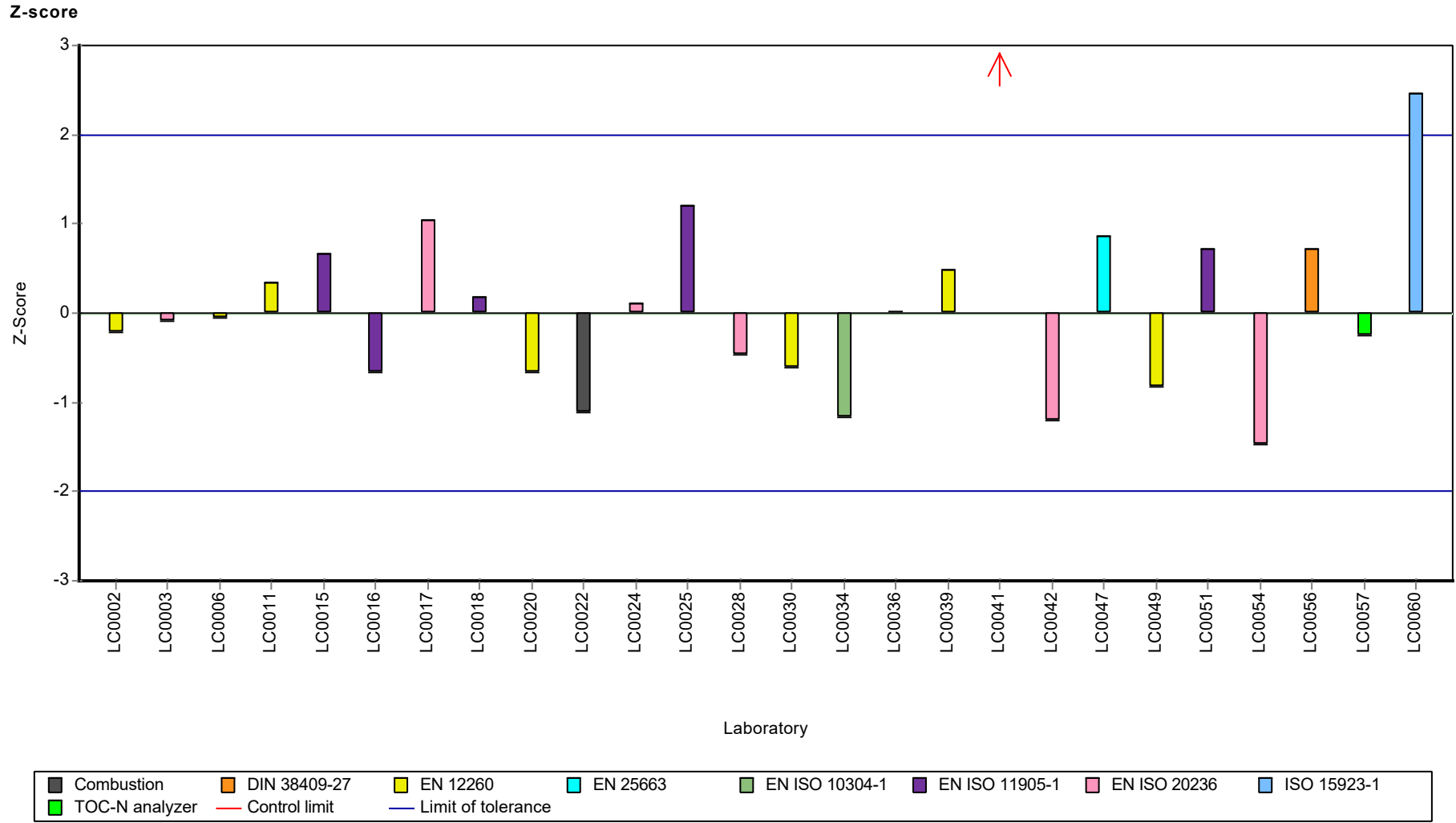


Laboratory

Combustion	DIN 38409-27	EN 12260	EN 25663	EN ISO 10304-1	EN ISO 11905-1	EN ISO 20236	ISO 15923-1
TOC-N analyzer	Control limit	Limit of tolerance					

Parameter oriented report Nutrients/Major Ions N175

Sample: N175A, Parameter: Total nitrogen



Parameter oriented report Nutrients/Major Ions N175

Sample: N175B, Parameter: Total nitrogen

Parameter oriented report

N175 B

Total nitrogen

Unit	mg/l
Assigned value ± U (k=2)	5.80 ± 0.138
Criterion	0.482 (8.3 %)
Minimum - Maximum	5.17 - 6.37
Control test value ± U (k=2)	6.36 ± 0.954

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	5.58	0.63	96.1	-0.46	
LC0003	5.98	0.015	103	0.37	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	5.76	0.52	99.2	-0.09	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	5.98	1.357	103	0.37	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	-	-	-	-	
LC0015	6.068	0.91	105	0.55	
LC0016	5.57	0.38	96	-0.49	
LC0017	6.26	0.94	108	0.95	
LC0018	5.9	0.29	102	0.2	
LC0019	-	-	-	-	
LC0020	5.51	0.55	94.9	-0.61	
LC0021	-	-	-	-	
LC0022	5.4	0.5	93	-0.84	
LC0023	-	-	-	-	
LC0024	5.91	0.33	102	0.22	
LC0025	6.35	0.635	109	1.13	
LC0026	-	-	-	-	
LC0027	-	-	-	-	
LC0028	5.56	0.2	95.8	-0.51	
LC0029	-	-	-	-	
LC0030	5.52	0.159	95.1	-0.59	
LC0031	-	-	-	-	
LC0032	-	-	-	-	
LC0033	-	-	-	-	
LC0034	5.324	0.76	91.7	-1	
LC0035	-	-	-	-	
LC0036	5.77	0.29	99.4	-0.07	
LC0037	-	-	-	-	
LC0038	< 10 (LOQ)	-	-	-	
LC0039	6.295	0.63	108	1.02	
LC0040	-	-	-	-	

Parameter oriented report Nutrients/Major Ions N175

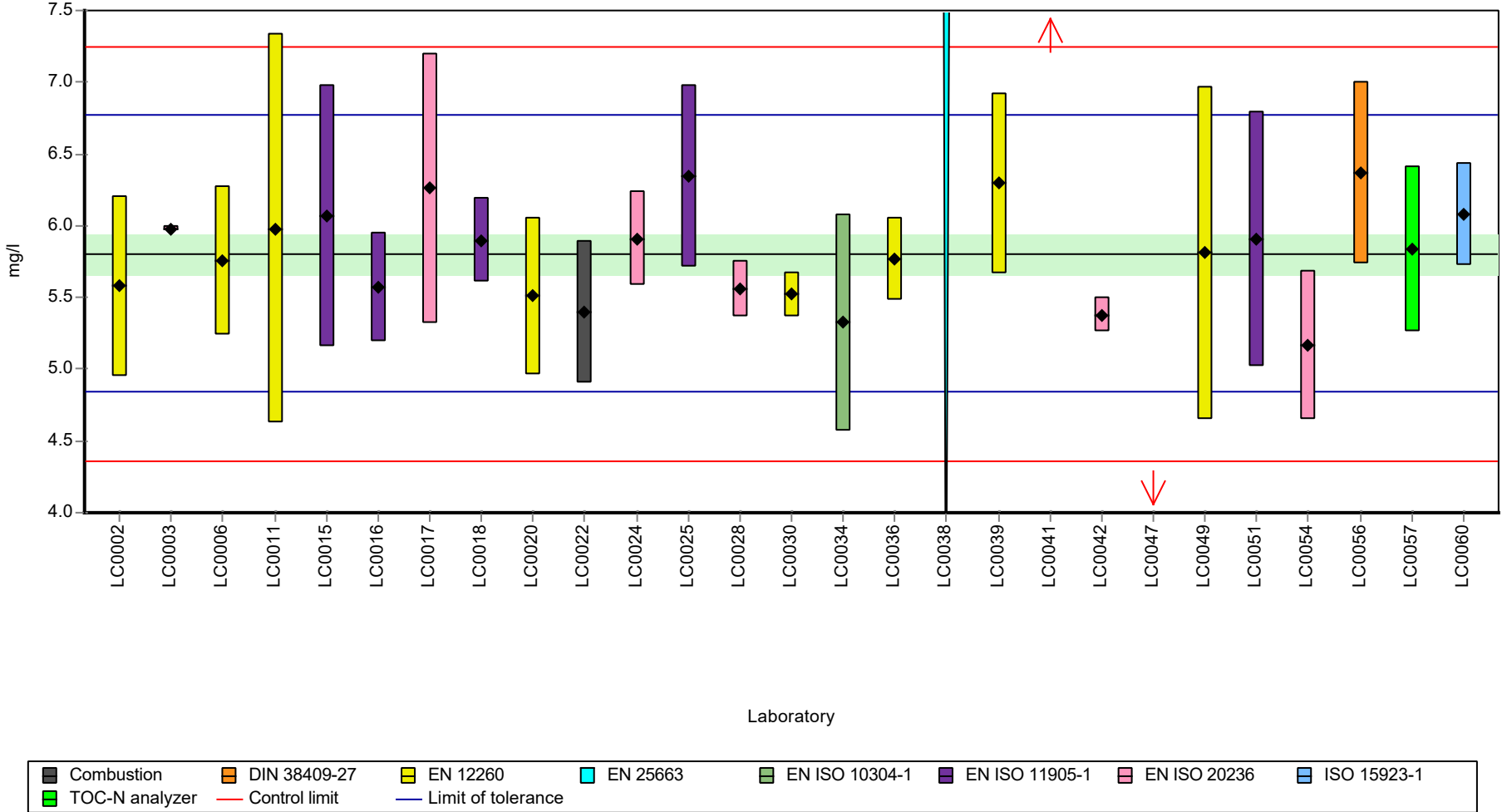
Sample: N175B, Parameter: Total nitrogen

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0041	25.8	3.9	445	41.51	H
LC0042	5.38	0.117	92.7	-0.88	
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	-	-	-	-	
LC0046	-	-	-	-	
LC0047	2.914	0.38	50.2	-6	H
LC0048	-	-	-	-	
LC0049	5.81	1.16	100	0.01	
LC0050	-	-	-	-	
LC0051	5.91	0.89	102	0.22	
LC0052	-	-	-	-	
LC0053	-	-	-	-	
LC0054	5.17	0.52	89.1	-1.32	
LC0055	-	-	-	-	
LC0056	6.367	0.6367	110	1.17	
LC0057	5.84	0.58	101	0.07	
LC0058	-	-	-	-	
LC0059	-	-	-	-	
LC0060	6.08	0.357	105	0.57	
LC0061	-	-	-	-	
LC0062	-	-	-	-	
LC0063	-	-	-	-	

Characteristics of parameter

	all results	w without outliers	Unit
Mean ± CI (99%)	6.46 ± 2.35	5.8 ± 0.206	mg/l
Minimum	2.91	5.17	mg/l
Maximum	25.8	6.37	mg/l
Standard deviation	4	0.337	mg/l
rel. standard deviation	61.9	5.81	%
n	26	24	-

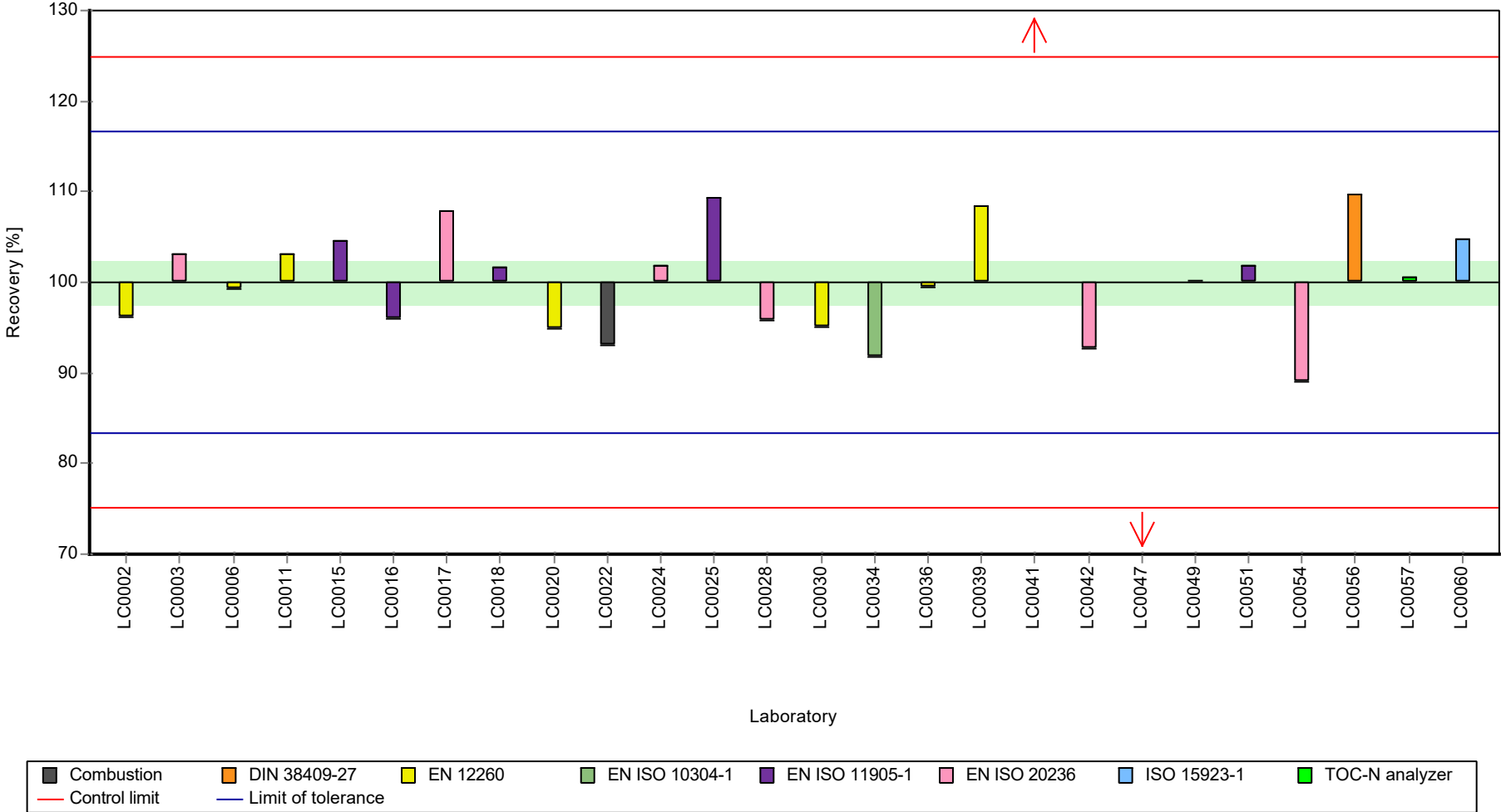
Graphical presentation of results
 Results



Parameter oriented report Nutrients/Major Ions N175

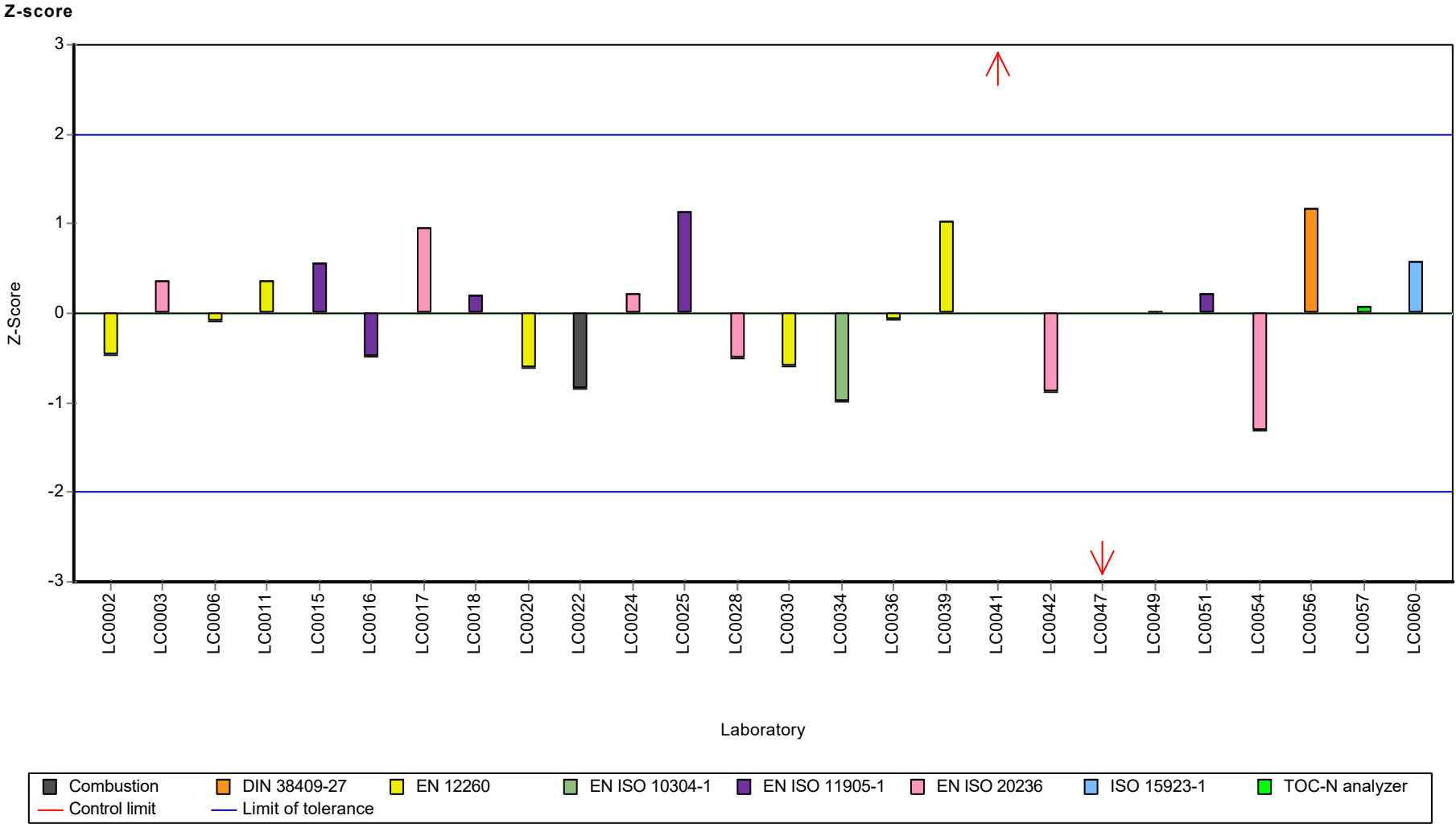
Sample: N175B, Parameter: Total nitrogen

Recovery rate



Parameter oriented report Nutrients/Major Ions N175

Sample: N175B, Parameter: Total nitrogen



Parameter oriented report Nutrients/Major Ions N175

Sample: N175A, Parameter: Hydrogen carbonate

Parameter oriented report

N175 A

Hydrogen carbonate

Unit	mg/l
Assigned value ± U (k=2)	450 ± 1.44
Criterion	8.99 (2 %)
Minimum - Maximum	442 - 462
Control test value ± U (k=2)	429 ± 21.5

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	446.6	45	99.3	-0.33	
LC0002	454	64	101	0.49	
LC0003	446	2.1	99.2	-0.4	
LC0004	446	6.4	99.2	-0.4	
LC0005	-	-	-	-	
LC0006	452	19	101	0.27	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	446	8.93	99.2	-0.4	
LC0010	454	6.13	101	0.49	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	444	36	98.8	-0.62	
LC0015	466.8	70	104	1.92	H
LC0016	451	24.3	100	0.16	
LC0017	446.59	66.989	99.3	-0.33	
LC0018	-	-	-	-	
LC0019	-	-	-	-	
LC0020	447	45	99.4	-0.29	
LC0021	-	-	-	-	
LC0022	-	-	-	-	
LC0023	450	18.45	100	0.05	
LC0024	442.5	12	98.4	-0.79	
LC0025	454	25.24	101	0.49	
LC0026	-	-	-	-	
LC0027	453.031	9.51	101	0.38	
LC0028	454.5	6.1	101	0.55	
LC0029	449.1	22.5	99.9	-0.05	
LC0030	447.87	21.63	99.6	-0.19	
LC0031	450	10	100	0.05	
LC0032	-	-	-	-	
LC0033	443.32	9.31	98.6	-0.7	
LC0034	-	-	-	-	
LC0035	444.51	44.45	98.9	-0.56	
LC0036	-	-	-	-	
LC0037	448.5	8.97	99.8	-0.12	
LC0038	448	45	99.6	-0.18	
LC0039	462.08	46.2	103	1.39	
LC0040	-	-	-	-	

Parameter oriented report Nutrients/Major Ions N175

Sample: N175A, Parameter: Hydrogen carbonate

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0041	457	137	102	0.83	
LC0042	434	21.7	96.5	-1.73	H
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	-	-	-	-	
LC0046	-	-	-	-	
LC0047	451.2	76.7	100	0.18	
LC0048	-	-	-	-	
LC0049	-	-	-	-	
LC0050	454	90.8	101	0.49	
LC0051	451	36	100	0.16	
LC0052	442	8	98.3	-0.84	
LC0053	449.9	17.5	100	0.04	
LC0054	448	18	99.6	-0.18	
LC0055	-	-	-	-	
LC0056	499	49.9	111	5.5	H
LC0057	452	6.8	101	0.27	
LC0058	452	66	101	0.27	
LC0059	448	36	99.6	-0.18	
LC0060	446	22.3	99.2	-0.4	
LC0061	-	-	-	-	
LC0062	-	-	-	-	
LC0063	453	22	101	0.38	

Characteristics of parameter

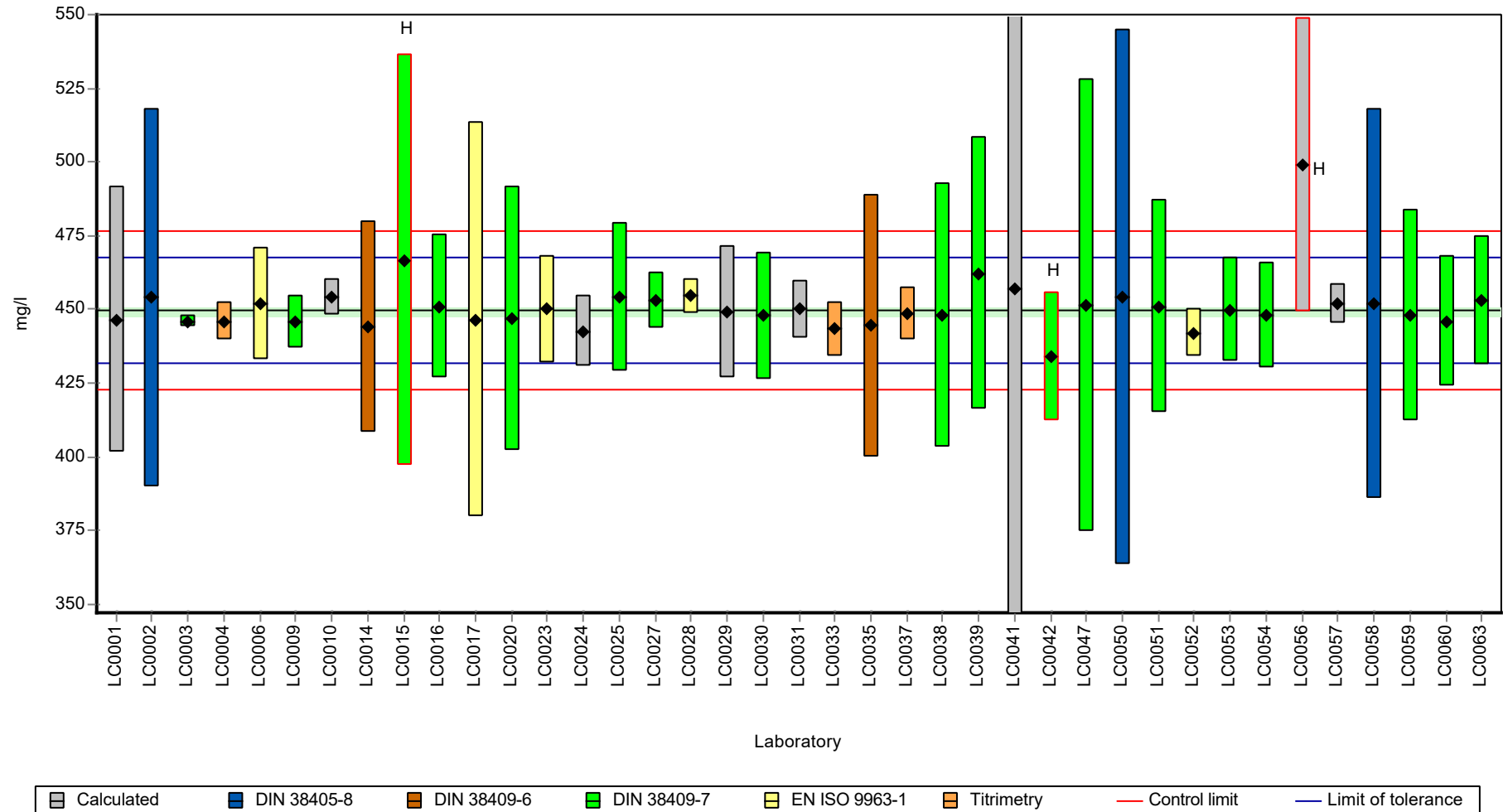
	all results	w without outliers	Unit
Mean ± CI (99%)	451 ± 4.65	450 ± 2.16	mg/l
Minimum	434	442	mg/l
Maximum	499	462	mg/l
Standard deviation	9.69	4.32	mg/l
rel. standard deviation	2.15	0.961	%
n	39	36	-

Parameter oriented report Nutrients/Major Ions N175

Sample: N175A, Parameter: Hydrogen carbonate

Graphical presentation of results

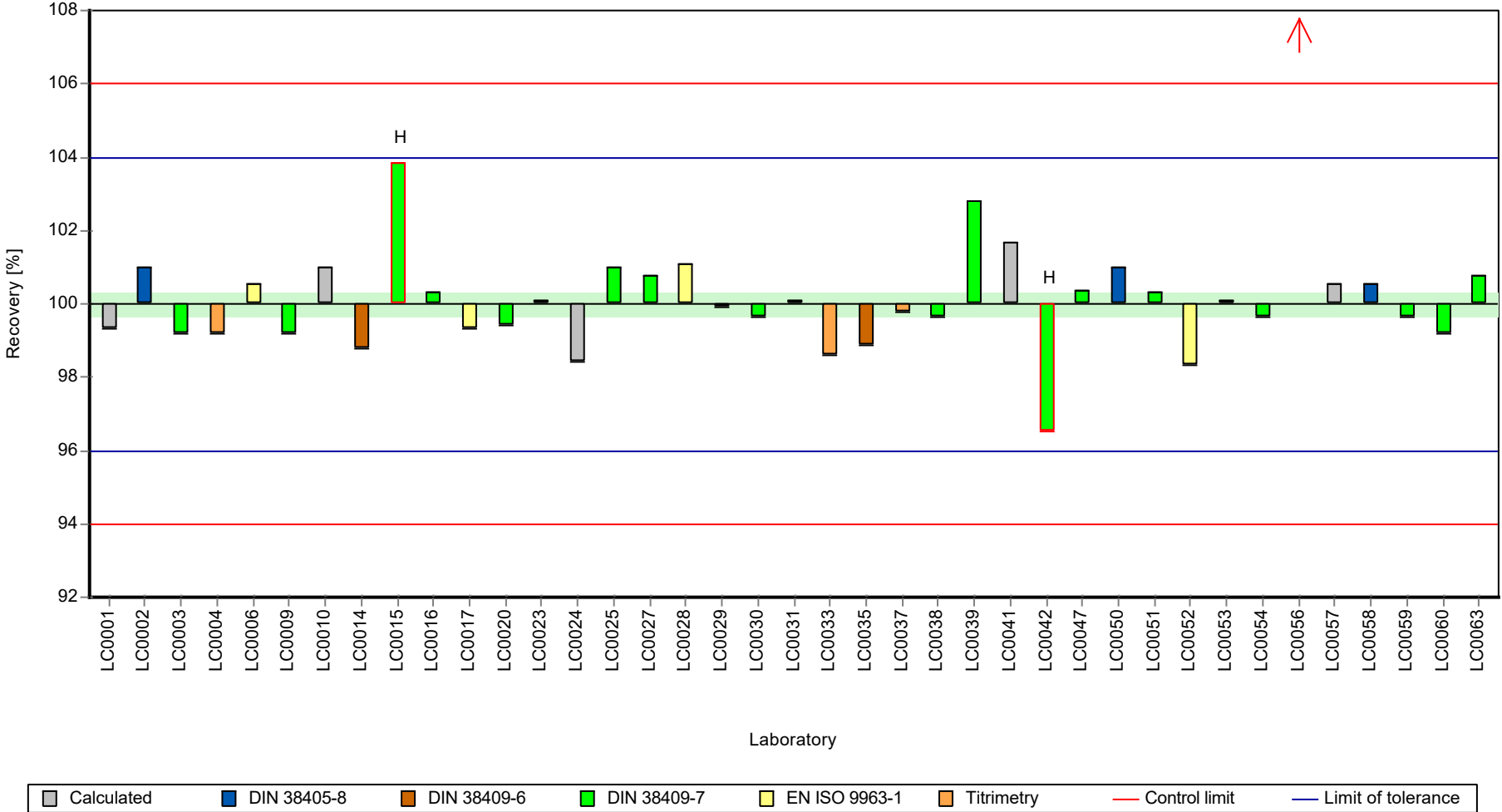
Results



Parameter oriented report Nutrients/Major Ions N175

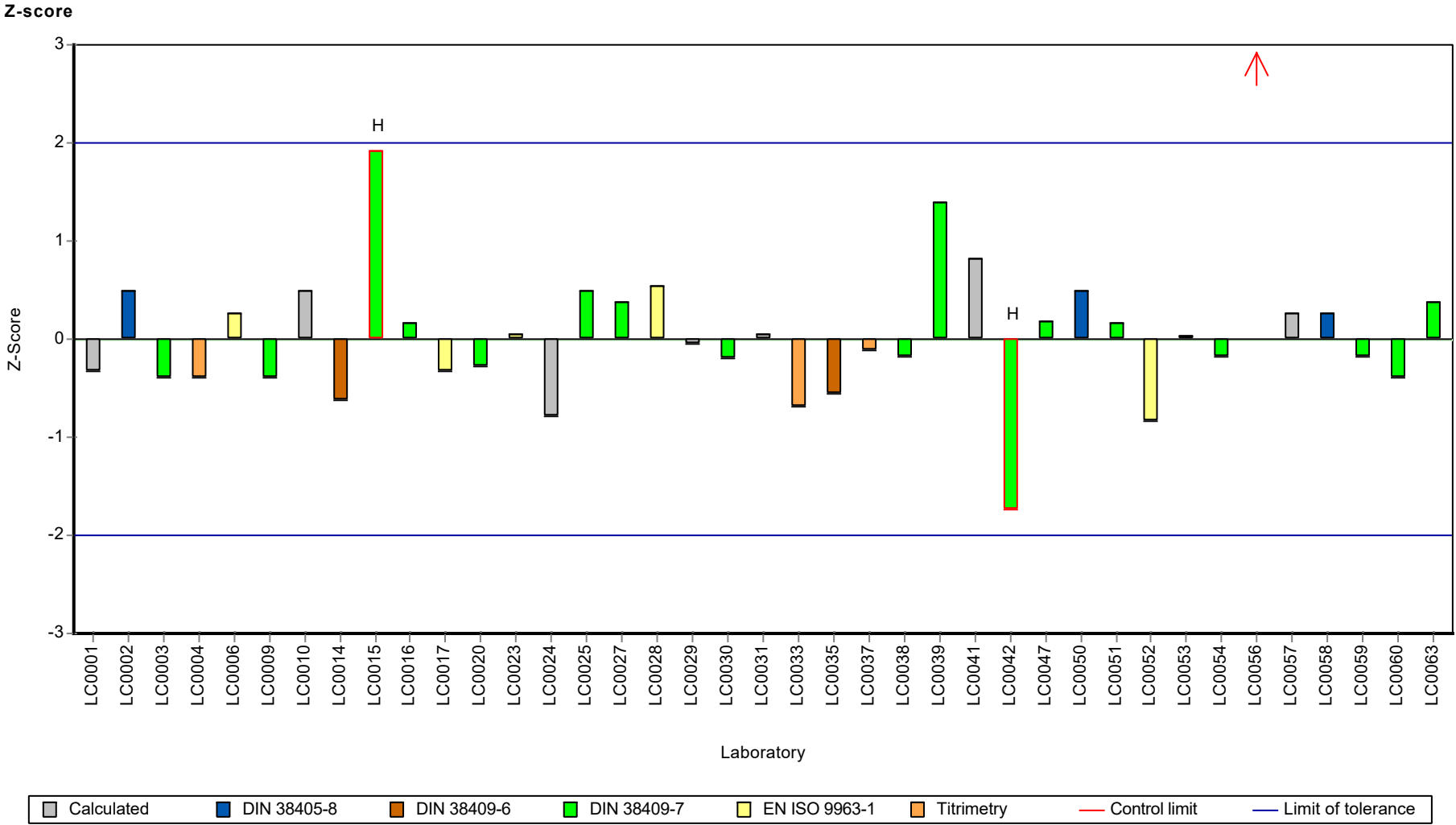
Sample: N175A, Parameter: Hydrogen carbonate

Recovery rate



Parameter oriented report Nutrients/Major Ions N175

Sample: N175A, Parameter: Hydrogen carbonate



Parameter oriented report Nutrients/Major Ions N175

Sample: N175B, Parameter: Hydrogen carbonate

Parameter oriented report

N175 B

Hydrogen carbonate

Unit	mg/l
Assigned value ± U (k=2)	220 ± 0.967
Criterion	4.41 (2 %)
Minimum - Maximum	212 - 225
Control test value ± U (k=2)	210 ± 10.5

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	222.7	23	101	0.5	
LC0002	225	32	102	1.02	
LC0003	220	0.58	99.8	-0.11	
LC0004	219	3.2	99.3	-0.34	
LC0005	-	-	-	-	
LC0006	221	9	100	0.12	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	218	4.36	98.9	-0.56	
LC0010	222	2.997	101	0.34	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	219	17.5	99.3	-0.34	
LC0015	232.2	34.8	105	2.66	H
LC0016	217	11.7	98.4	-0.79	
LC0017	217.19	32.6	98.5	-0.75	
LC0018	-	-	-	-	
LC0019	-	-	-	-	
LC0020	224	22	102	0.8	
LC0021	-	-	-	-	
LC0022	-	-	-	-	
LC0023	224	9.18	102	0.8	
LC0024	217	6.4	98.4	-0.79	
LC0025	225	12.51	102	1.02	
LC0026	-	-	-	-	
LC0027	220.7	4.63	100	0.05	
LC0028	225.1	6.1	102	1.05	
LC0029	220.8	11.4	100	0.07	
LC0030	218.75	10.57	99.2	-0.39	
LC0031	220	5	99.8	-0.11	
LC0032	-	-	-	-	
LC0033	217.09	4.56	98.5	-0.77	
LC0034	-	-	-	-	
LC0035	218.34	21.83	99	-0.49	
LC0036	-	-	-	-	
LC0037	218.8	4.376	99.2	-0.38	
LC0038	224	22	102	0.8	
LC0039	234.118	23.41	106	3.09	H
LC0040	-	-	-	-	

Parameter oriented report Nutrients/Major Ions N175

Sample: N175B, Parameter: Hydrogen carbonate

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0041	221	66	100	0.12	
LC0042	212	10.6	96.2	-1.92	
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	-	-	-	-	
LC0046	-	-	-	-	
LC0047	222.7	37.9	101	0.5	
LC0048	-	-	-	-	
LC0049	-	-	-	-	
LC0050	221	44.2	100	0.12	
LC0051	221	18	100	0.12	
LC0052	220	4	99.8	-0.11	
LC0053	220.4	8.6	100	-0.02	
LC0054	221	9	100	0.12	
LC0055	-	-	-	-	
LC0056	231	23.1	105	2.38	H
LC0057	225	3.4	102	1.02	
LC0058	220	32	99.8	-0.11	
LC0059	219	18	99.3	-0.34	
LC0060	217	22.3	98.4	-0.79	
LC0061	-	-	-	-	
LC0062	-	-	-	-	
LC0063	223	11	101	0.57	

Characteristics of parameter

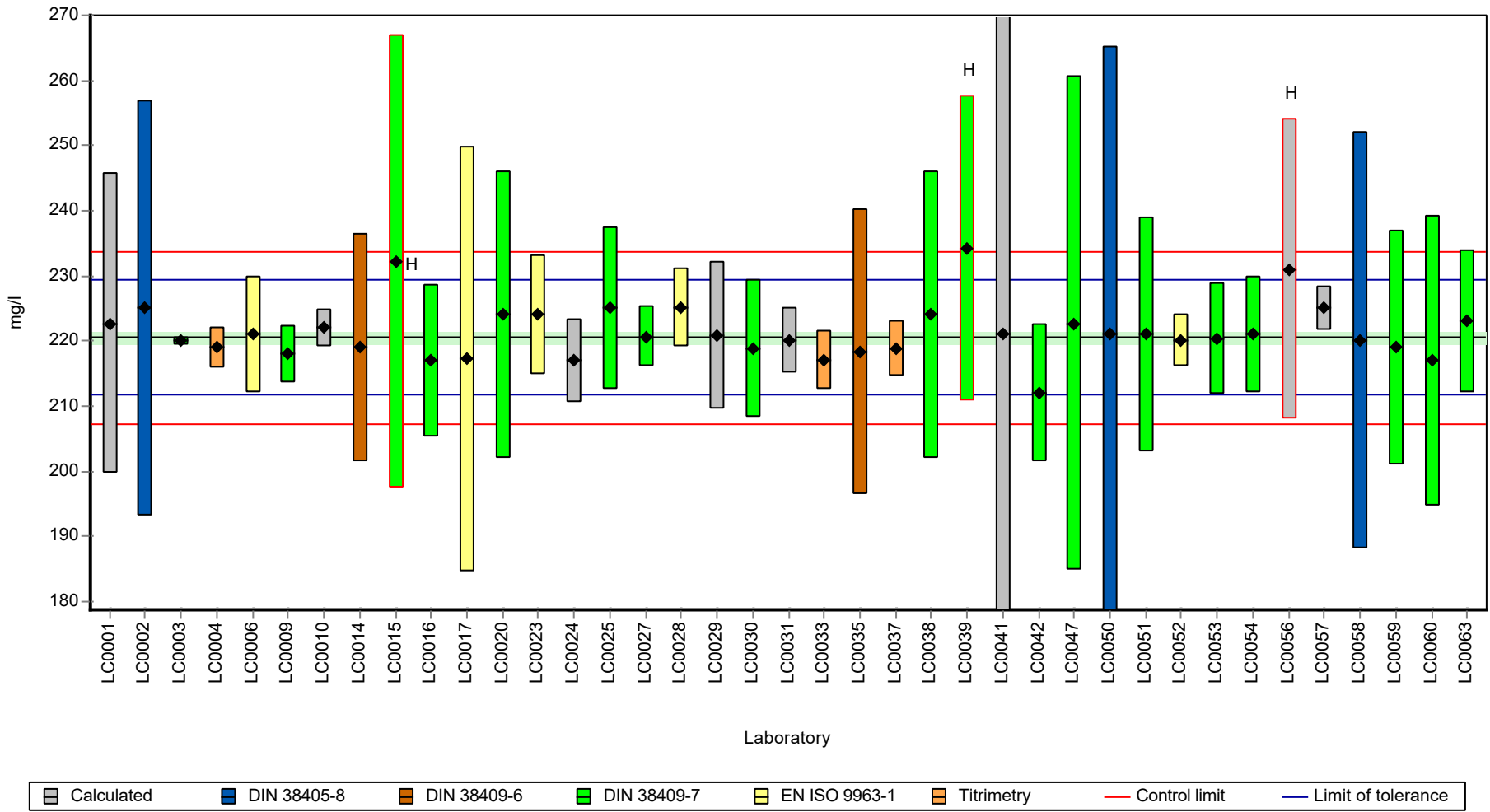
	all results	w without outliers	Unit
Mean ± CI (99%)	221 ± 2.05	220 ± 1.45	mg/l
Minimum	212	212	mg/l
Maximum	234	225	mg/l
Standard deviation	4.28	2.9	mg/l
rel. standard deviation	1.93	1.32	%
n	39	36	-

Parameter oriented report Nutrients/Major Ions N175

Sample: N175B, Parameter: Hydrogen carbonate

Graphical presentation of results

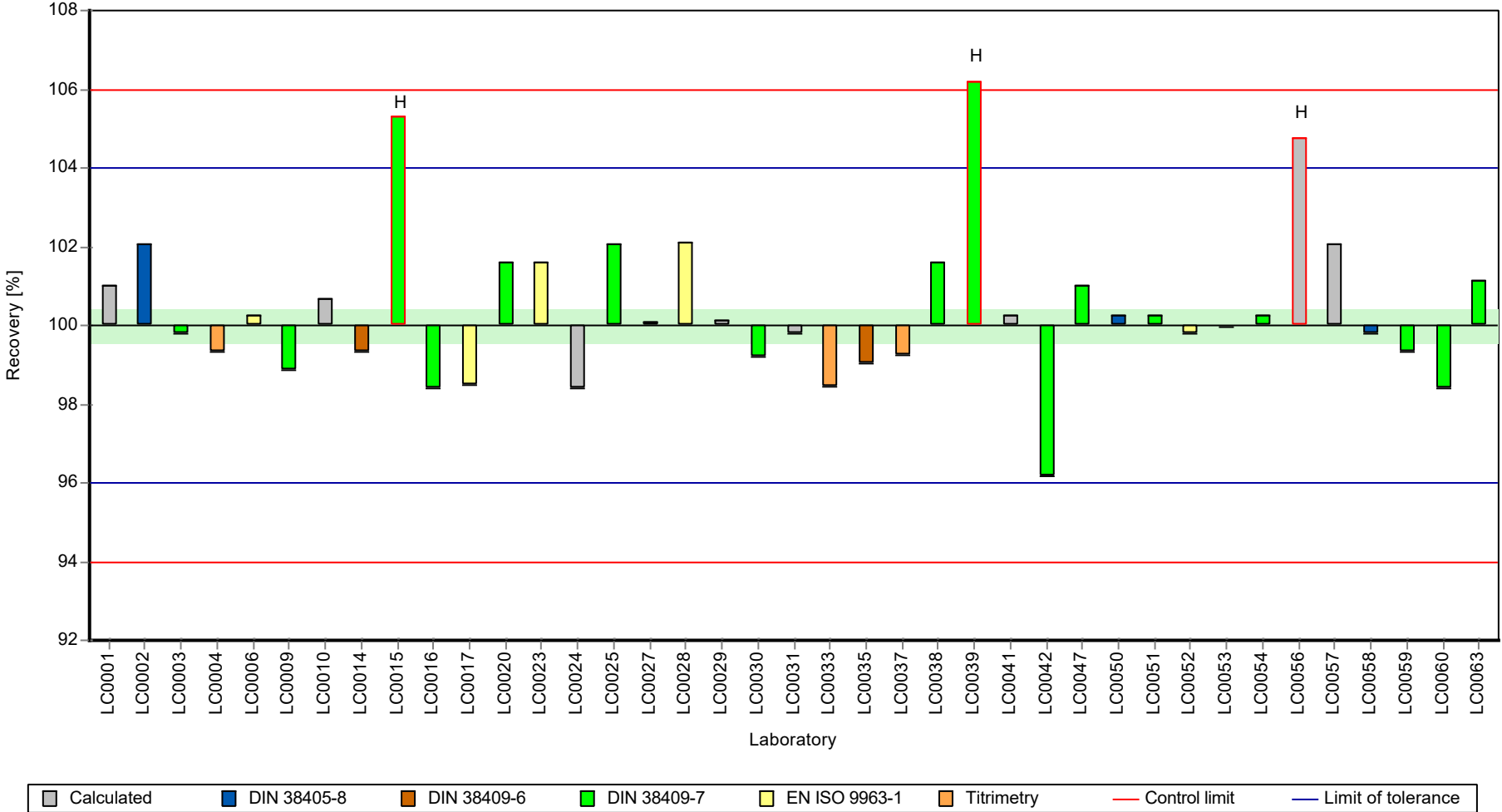
Results



Parameter oriented report Nutrients/Major Ions N175

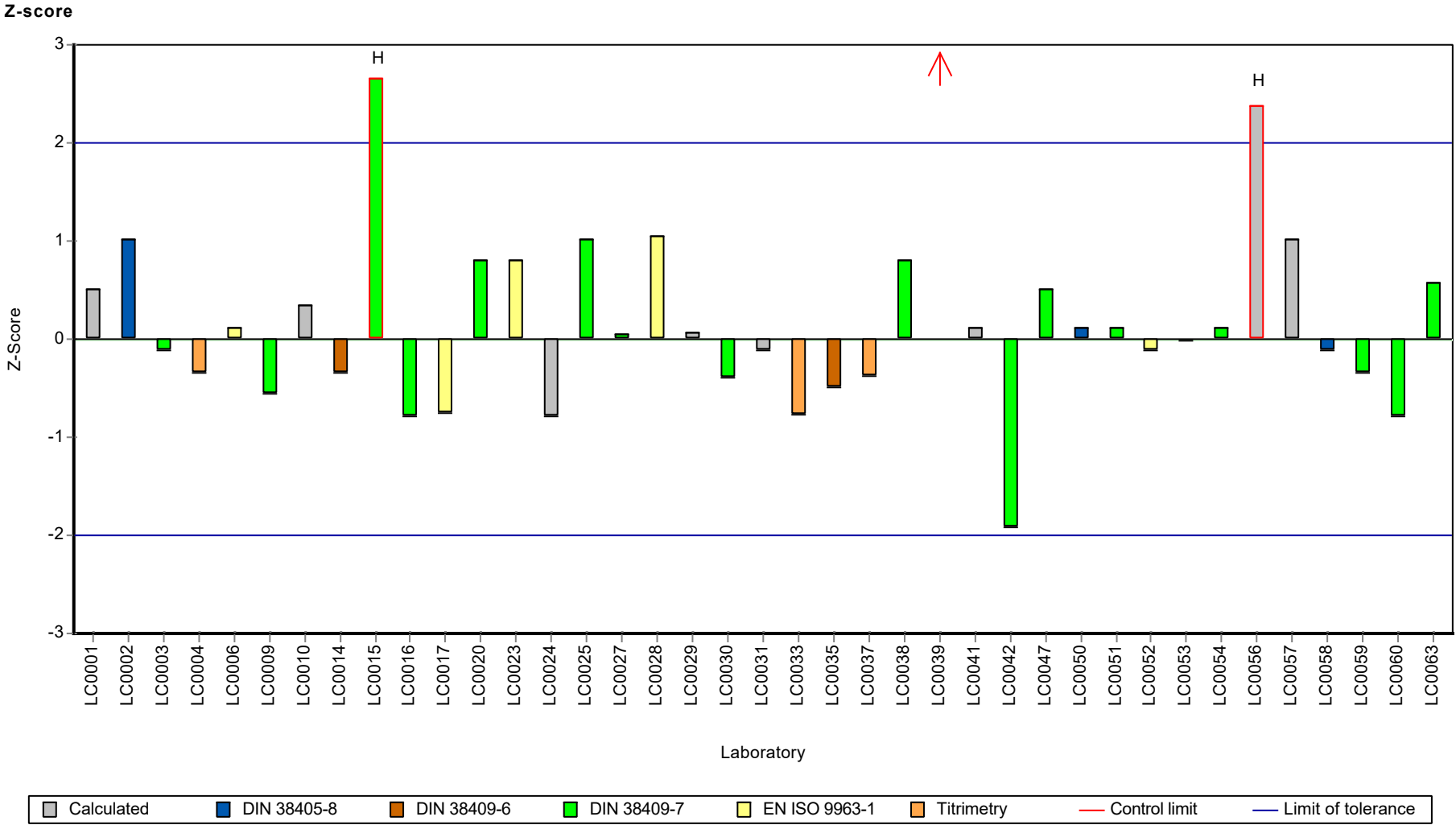
Sample: N175B, Parameter: Hydrogen carbonate

Recovery rate



Parameter oriented report Nutrients/Major Ions N175

Sample: N175B, Parameter: Hydrogen carbonate



Parameter oriented report Nutrients/Major Ions N175

Sample: N175A, Parameter: Potassium

Parameter oriented report

N175 A

Potassium

Unit	mg/l
Assigned value ± U (k=2)	2.56 ± 0.0428
Criterion	0.133 (5.2 %)
Minimum - Maximum	2.27 - 2.84
Control test value ± U (k=2)	2.39 ± 0.239

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	2.64	0.53	103	0.57	
LC0002	2.52	0.18	98.3	-0.33	
LC0003	2.52	0.038	98.3	-0.33	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	2.4	0.4	93.6	-1.23	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	2.62	0.0228	102	0.42	
LC0010	2.554	0.0701	99.6	-0.08	
LC0011	2.59	0.336	101	0.19	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	2.5	0.2	97.5	-0.48	
LC0015	2.379	0.357	92.8	-1.39	
LC0016	2.72	0.08	106	1.17	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	-	-	-	-	
LC0020	2.43	0.24	94.8	-1.01	
LC0021	3.13	0.081	122	4.24	H
LC0022	2.5	0.1	97.5	-0.48	
LC0023	2.53	0.235	98.7	-0.26	
LC0024	2.54	0.08	99.1	-0.18	
LC0025	2.659	0.461	104	0.71	
LC0026	1.19	0.12	46.4	-10.31	H
LC0027	-	-	-	-	
LC0028	2.53	0.1	98.7	-0.26	
LC0029	2.3	0.38	89.7	-1.98	
LC0030	-	-	-	-	
LC0031	-	-	-	-	
LC0032	-	-	-	-	
LC0033	2.56	0.16	99.8	-0.03	
LC0034	-	-	-	-	
LC0035	-	-	-	-	
LC0036	2.37	0.36	92.4	-1.46	
LC0037	2.65	0.15635	103	0.64	
LC0038	2.53	0.25	98.7	-0.26	
LC0039	2.27	0.227	88.5	-2.21	
LC0040	-	-	-	-	

Parameter oriented report Nutrients/Major Ions N175

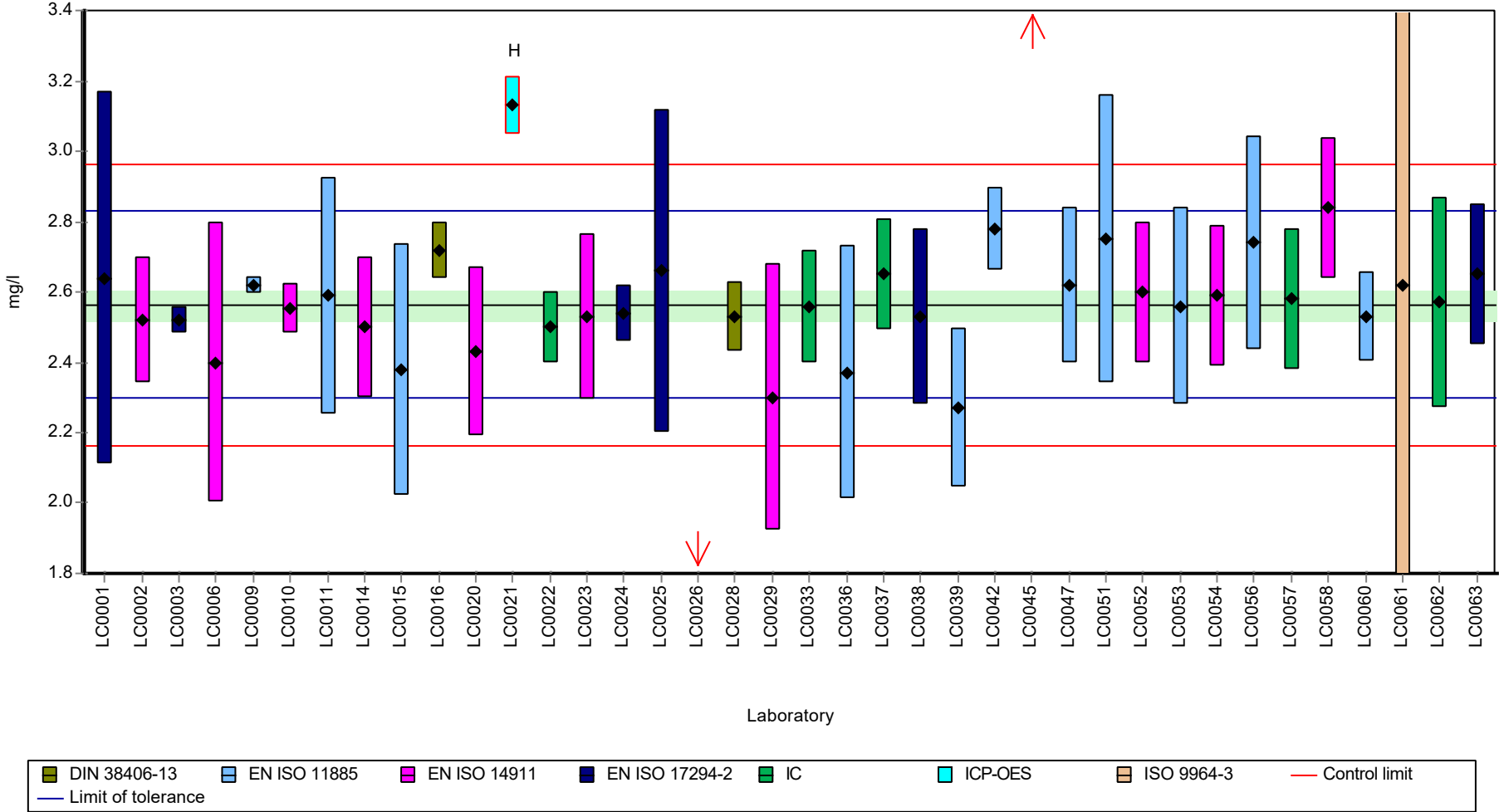
Sample: N175A, Parameter: Potassium

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0041	-	-	-	-	
LC0042	2.78	0.118	108	1.62	
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	3.49	0.32666	136	6.94	H
LC0046	-	-	-	-	
LC0047	2.62	0.22	102	0.42	
LC0048	-	-	-	-	
LC0049	-	-	-	-	
LC0050	-	-	-	-	
LC0051	2.75	0.41	107	1.39	
LC0052	2.6	0.2	101	0.27	
LC0053	2.56	0.28	99.8	-0.03	
LC0054	2.59	0.2	101	0.19	
LC0055	-	-	-	-	
LC0056	2.74	0.30469	107	1.32	
LC0057	2.58	0.2	101	0.12	
LC0058	2.84	0.2	111	2.07	
LC0059	-	-	-	-	
LC0060	2.53	0.1265	98.7	-0.26	
LC0061	2.62	1.25	102	0.42	
LC0062	2.57	0.3	100	0.04	
LC0063	2.65	0.2	103	0.64	

Characteristics of parameter

	all results	w without outliers	Unit
Mean ± CI (99%)	2.57 ± 0.152	2.56 ± 0.0642	mg/l
Minimum	1.19	2.27	mg/l
Maximum	3.49	2.84	mg/l
Standard deviation	0.312	0.127	mg/l
rel. standard deviation	12.2	4.94	%
n	38	35	-

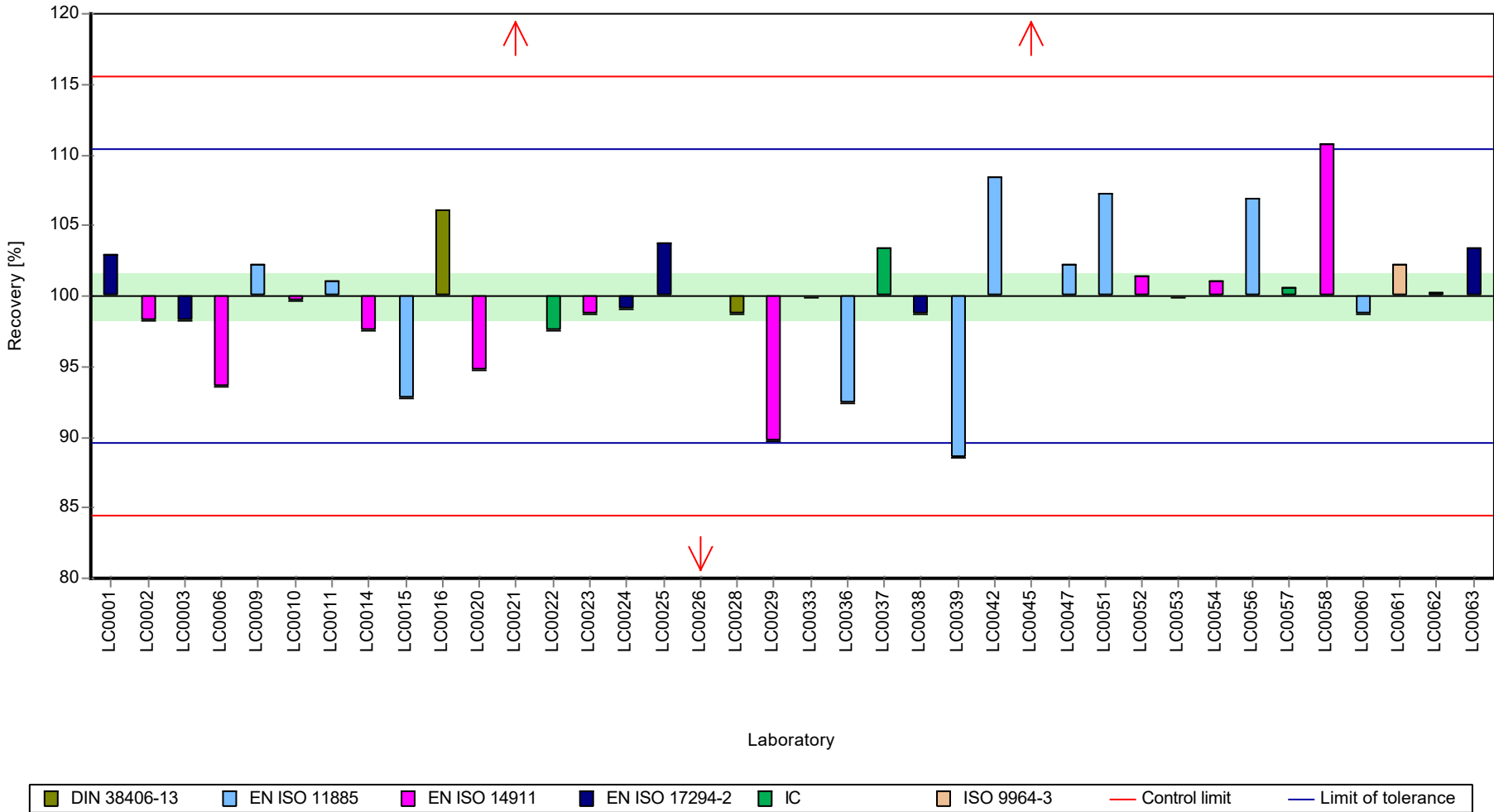
Graphical presentation of results
 Results



Parameter oriented report Nutrients/Major Ions N175

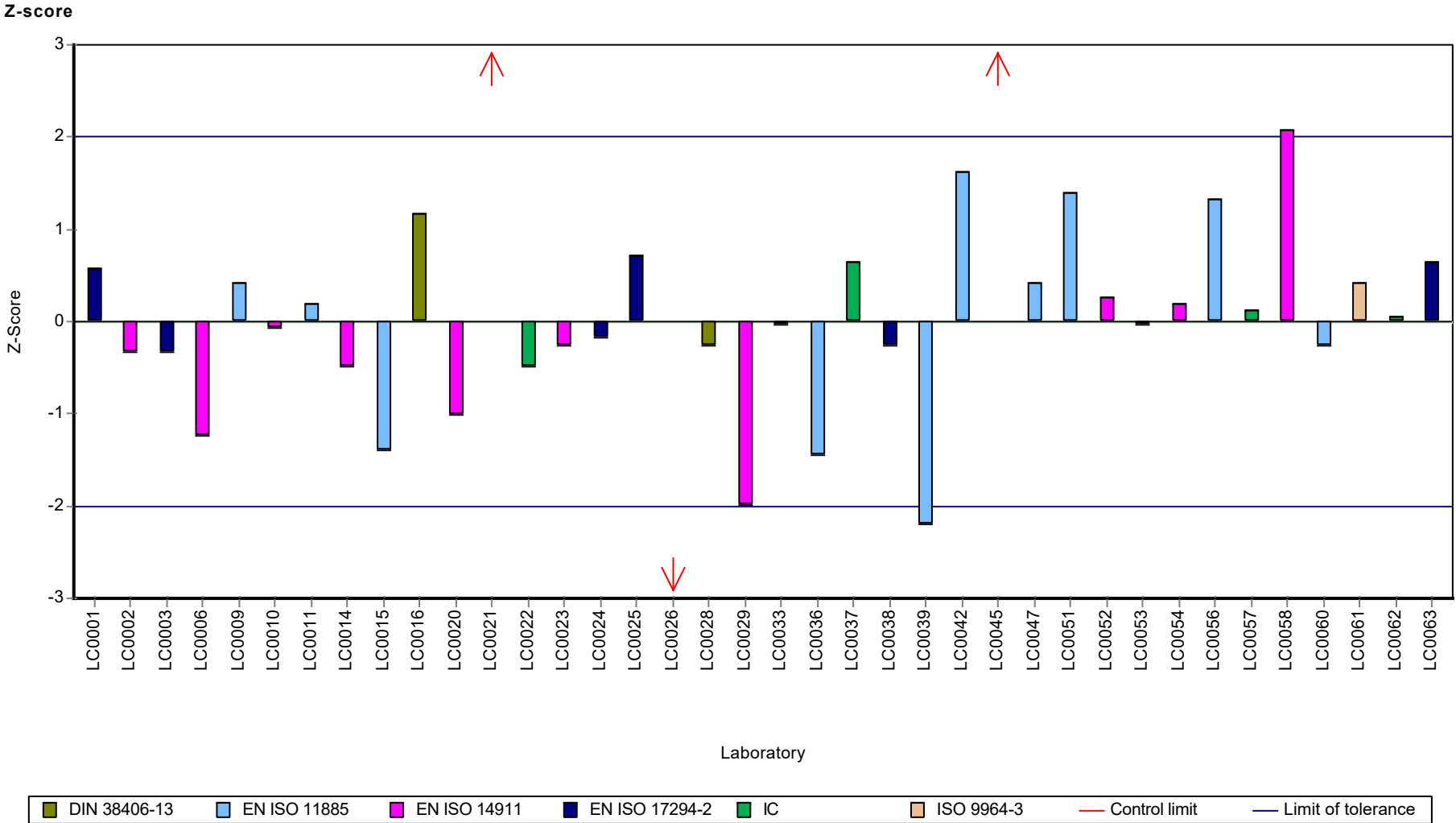
Sample: N175A, Parameter: Potassium

Recovery rate



Parameter oriented report Nutrients/Major Ions N175

Sample: N175A, Parameter: Potassium



Parameter oriented report Nutrients/Major Ions N175

Sample: N175B, Parameter: Potassium

Parameter oriented report

N175 B

Potassium

Unit	mg/l
Assigned value ± U (k=2)	2.58 ± 0.0293
Criterion	0.134 (5.2 %)
Minimum - Maximum	2.39 - 2.74
Control test value ± U (k=2)	2.43 ± 0.243

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	2.67	0.54	104	0.68	
LC0002	2.51	0.18	97.3	-0.51	
LC0003	2.54	0.006	98.5	-0.29	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	2.57	0.4	99.7	-0.07	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	2.69	0.0229	104	0.83	
LC0010	2.555	0.0701	99.1	-0.18	
LC0011	2.56	0.332	99.3	-0.14	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	2.58	0.21	100	0.01	
LC0015	2.434	0.365	94.4	-1.08	
LC0016	2.65	0.078	103	0.53	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	-	-	-	-	
LC0020	2.5	0.25	96.9	-0.59	
LC0021	3	0.078	116	3.14	H
LC0022	2.43	0.1	94.2	-1.11	
LC0023	2.58	0.24	100	0.01	
LC0024	2.6	0.08	101	0.16	
LC0025	2.692	0.467	104	0.84	
LC0026	1.19	0.12	46.1	-10.36	H
LC0027	-	-	-	-	
LC0028	2.53	0.1	98.1	-0.36	
LC0029	2.2	0.36	85.3	-2.82	H
LC0030	-	-	-	-	
LC0031	-	-	-	-	
LC0032	-	-	-	-	
LC0033	2.58	0.17	100	0.01	
LC0034	-	-	-	-	
LC0035	-	-	-	-	
LC0036	2.45	0.37	95	-0.96	
LC0037	< 1 (LOQ)	-	-	-	FN
LC0038	2.58	0.26	100	0.01	
LC0039	2.18	0.218	84.5	-2.97	H
LC0040	-	-	-	-	

Parameter oriented report Nutrients/Major Ions N175

Sample: N175B, Parameter: Potassium

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0041	-	-	-	-	
LC0042	2.62	0.111	102	0.31	
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	3.71	0.34726	144	8.44	H
LC0046	-	-	-	-	
LC0047	2.39	0.19	92.7	-1.41	
LC0048	-	-	-	-	
LC0049	-	-	-	-	
LC0050	-	-	-	-	
LC0051	2.55	0.38	98.9	-0.21	
LC0052	2.5	0.2	96.9	-0.59	
LC0053	2.6	0.27	101	0.16	
LC0054	2.66	0.21	103	0.61	
LC0055	-	-	-	-	
LC0056	2.74	0.30469	106	1.2	
LC0057	2.63	0.2	102	0.38	
LC0058	2.68	0.19	104	0.75	
LC0059	-	-	-	-	
LC0060	2.57	0.1265	99.7	-0.07	
LC0061	2.63	1.25	102	0.38	
LC0062	2.61	0.3	101	0.23	
LC0063	2.64	0.2	102	0.46	

Characteristics of parameter

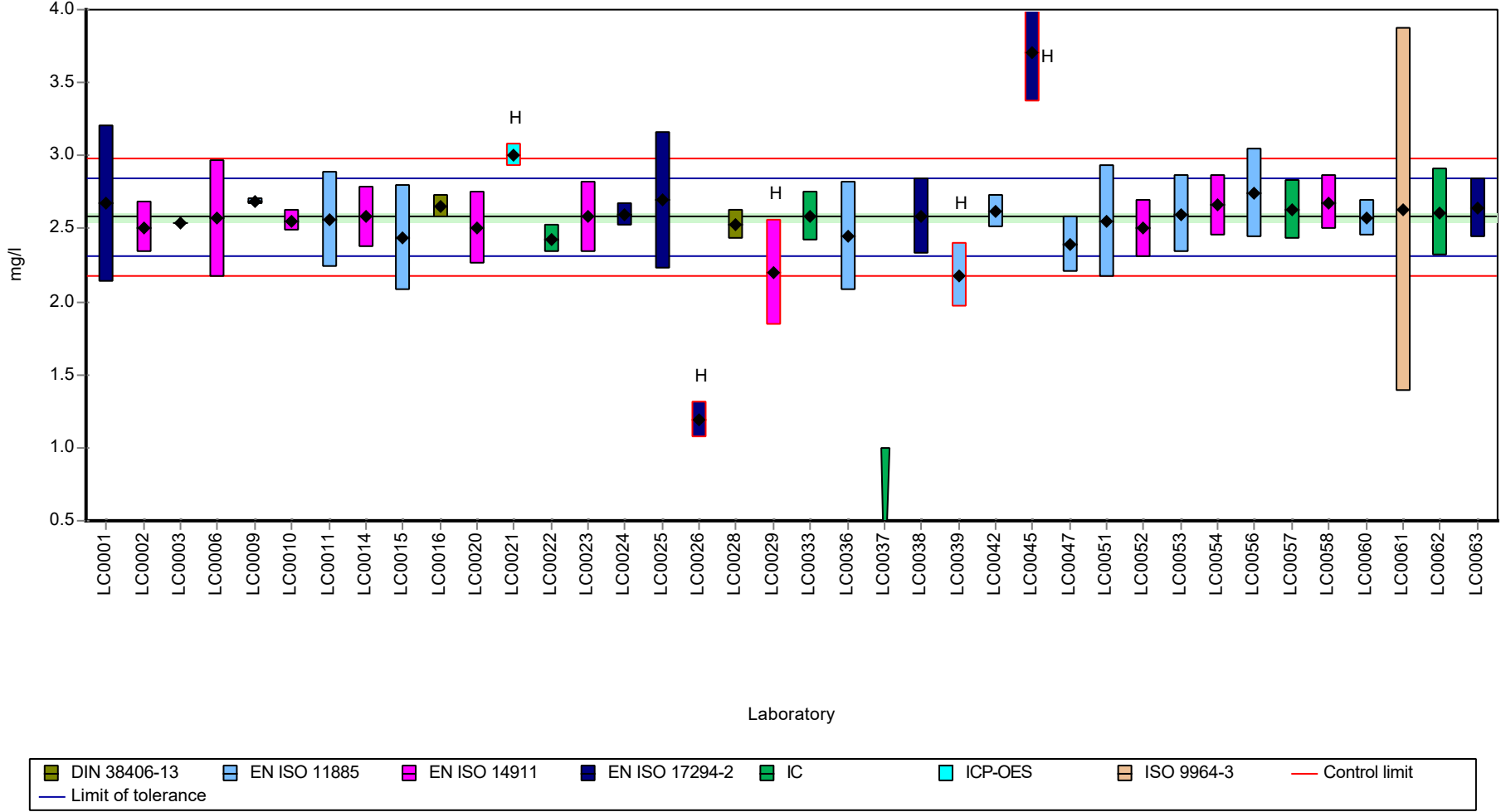
	all results	w without outliers	Unit
Mean ± CI (99%)	2.56 ± 0.162	2.58 ± 0.0439	mg/l
Minimum	1.19	2.39	mg/l
Maximum	3.71	2.74	mg/l
Standard deviation	0.329	0.0827	mg/l
rel. standard deviation	12.8	3.21	%
n	37	32	-

Parameter oriented report Nutrients/Major Ions N175

Sample: N175B, Parameter: Potassium

Graphical presentation of results

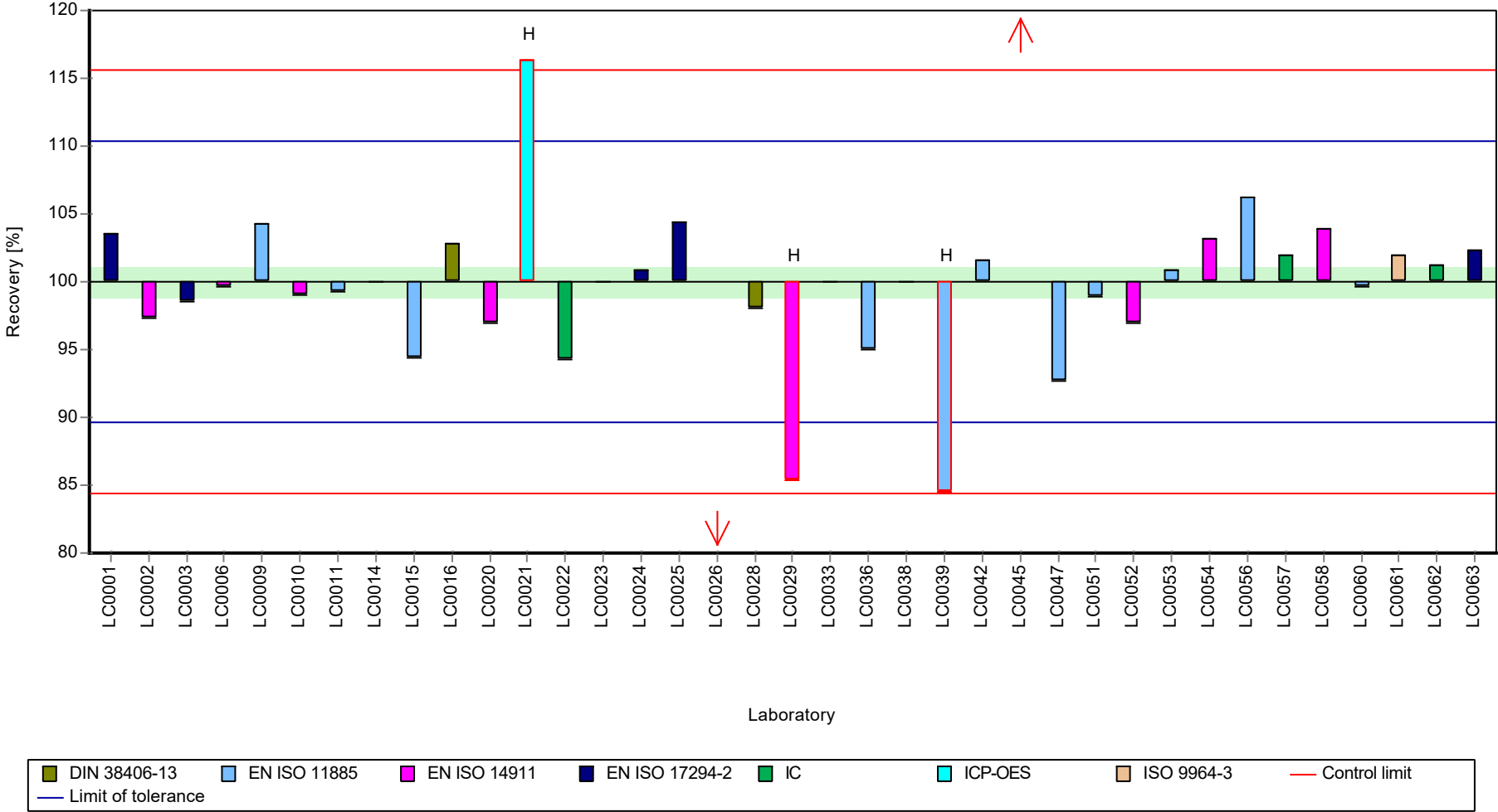
Results



Parameter oriented report Nutrients/Major Ions N175

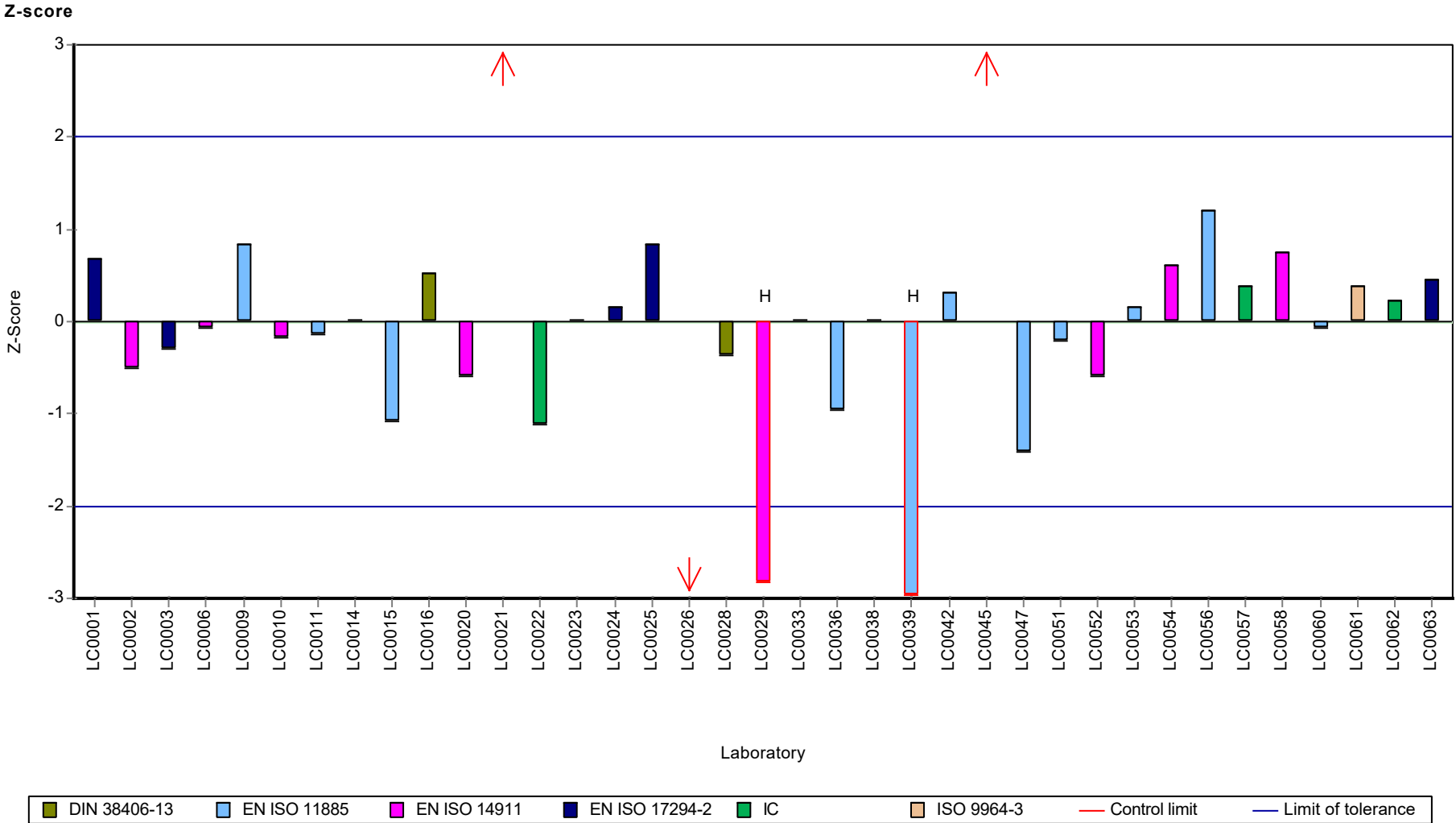
Sample: N175B, Parameter: Potassium

Recovery rate



Parameter oriented report Nutrients/Major Ions N175

Sample: N175B, Parameter: Potassium



Parameter oriented report Nutrients/Major Ions N175

Sample: N175A, Parameter: Magnesium

Parameter oriented report

N175 A

Magnesium

Unit	mg/l
Assigned value ± U (k=2)	38.6 ± 0.337
Criterion	1.55 (4 %)
Minimum - Maximum	36 - 41
Control test value ± U (k=2)	37.5 ± 3.75

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	38.4	7.7	99.4	-0.15	
LC0002	37.6	4.2	97.3	-0.66	
LC0003	38.4	0.57	99.4	-0.15	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	38.4	5	99.4	-0.15	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	38.5	0.27	99.7	-0.08	
LC0010	40.32	0.9475	104	1.1	
LC0011	41	2.05	106	1.54	
LC0012	37.09	3.71	96	-0.99	
LC0013	-	-	-	-	
LC0014	39.8	2.8	103	0.76	
LC0015	38.04	5.71	98.5	-0.38	
LC0016	39	0.5	101	0.24	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	-	-	-	-	
LC0020	38	3.8	98.4	-0.41	
LC0021	38.34	1.109	99.3	-0.19	
LC0022	37.2	1.9	96.3	-0.92	
LC0023	39.1	4.26	101	0.31	
LC0024	37.6	1.2	97.3	-0.66	
LC0025	39.53	4.771	102	0.58	
LC0026	39.76	3.9	103	0.73	
LC0027	-	-	-	-	
LC0028	37.58	0.2	97.3	-0.68	
LC0029	38.7	5.12	100	0.05	
LC0030	-	-	-	-	
LC0031	-	-	-	-	
LC0032	-	-	-	-	
LC0033	38.82	1.82	100	0.12	
LC0034	-	-	-	-	
LC0035	-	-	-	-	
LC0036	38.7	3.9	100	0.05	
LC0037	38.51	0.73169	99.7	-0.08	
LC0038	38	0.4	98.4	-0.41	
LC0039	39.46	3.95	102	0.54	
LC0040	-	-	-	-	

Parameter oriented report Nutrients/Major Ions N175

Sample: N175A, Parameter: Magnesium

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0041	38.7	9.7	100	0.05	
LC0042	33.9	1.05	87.8	-3.06	H
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	52	2.7508	135	8.66	H
LC0046	-	-	-	-	
LC0047	38.69	2.7	100	0.04	
LC0048	-	-	-	-	
LC0049	-	-	-	-	
LC0050	-	-	-	-	
LC0051	38.4	4.6	99.4	-0.15	
LC0052	36	3	93.2	-1.7	
LC0053	38.35	4.07	99.3	-0.18	
LC0054	39.4	2.3	102	0.5	
LC0055	-	-	-	-	
LC0056	40.41	2.49734	105	1.15	
LC0057	40.2	3	104	1.02	
LC0058	38	2.6	98.4	-0.41	
LC0059	-	-	-	-	
LC0060	37.4	1.87	96.8	-0.79	
LC0061	-	-	-	-	
LC0062	39.3	4	102	0.44	
LC0063	38.5	2.5	99.7	-0.08	

Characteristics of parameter

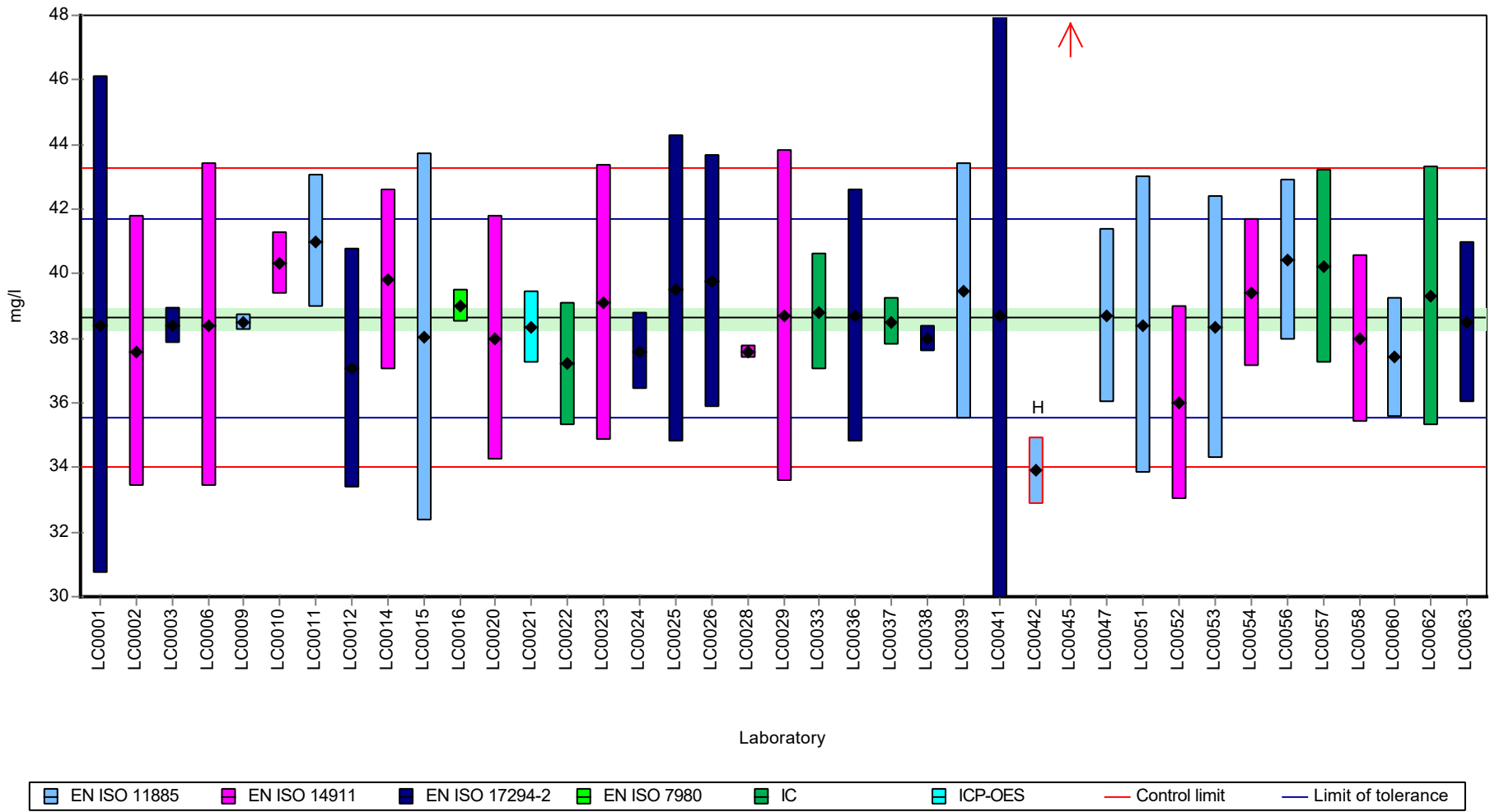
	all results	w without outliers	Unit
Mean ± CI (99%)	38.8 ± 1.2	38.6 ± 0.505	mg/l
Minimum	33.9	36	mg/l
Maximum	52	41	mg/l
Standard deviation	2.5	1.02	mg/l
rel. standard deviation	6.43	2.65	%
n	39	37	-

Parameter oriented report Nutrients/Major Ions N175

Sample: N175A, Parameter: Magnesium

Graphical presentation of results

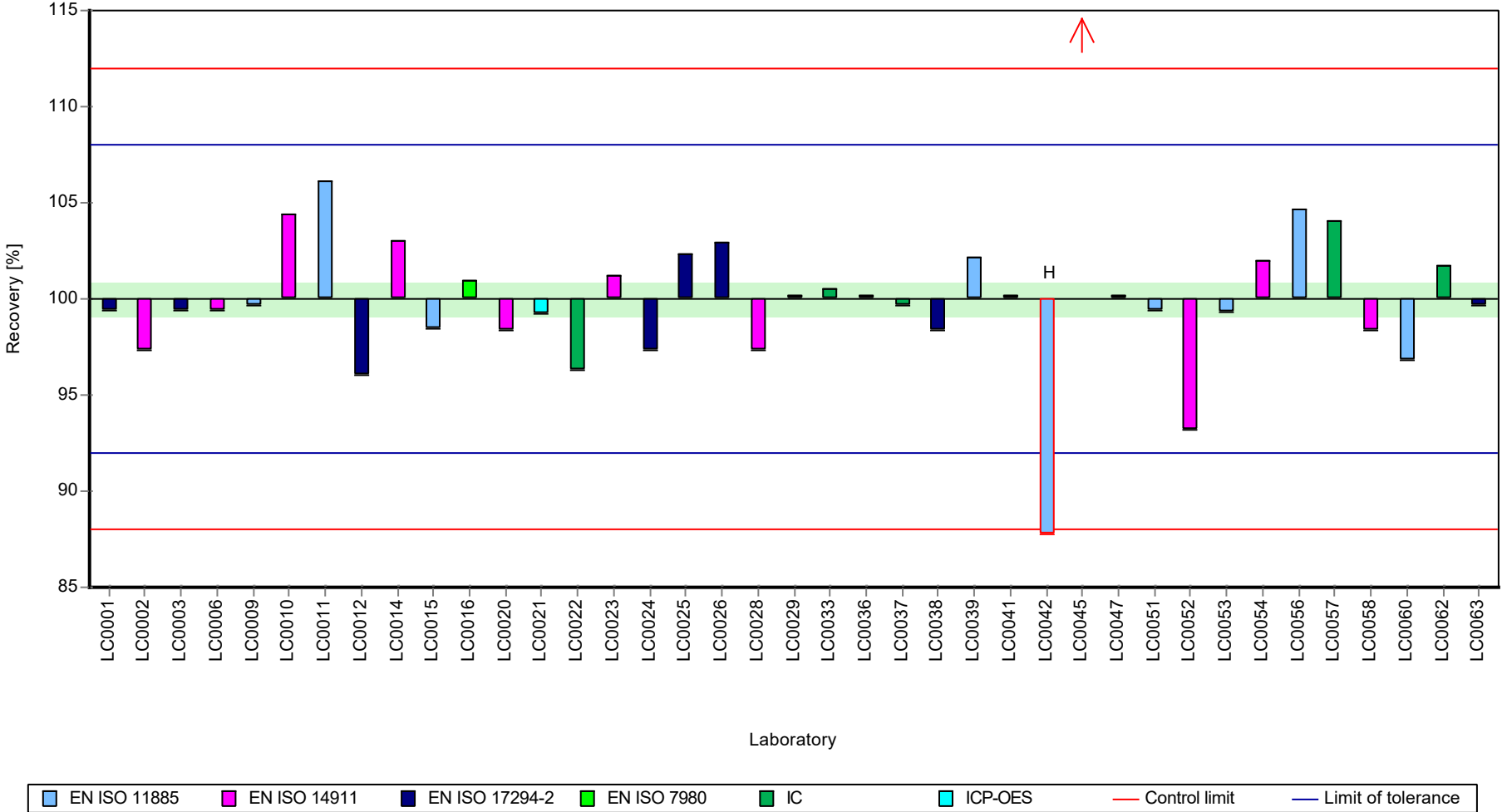
Results



Parameter oriented report Nutrients/Major Ions N175

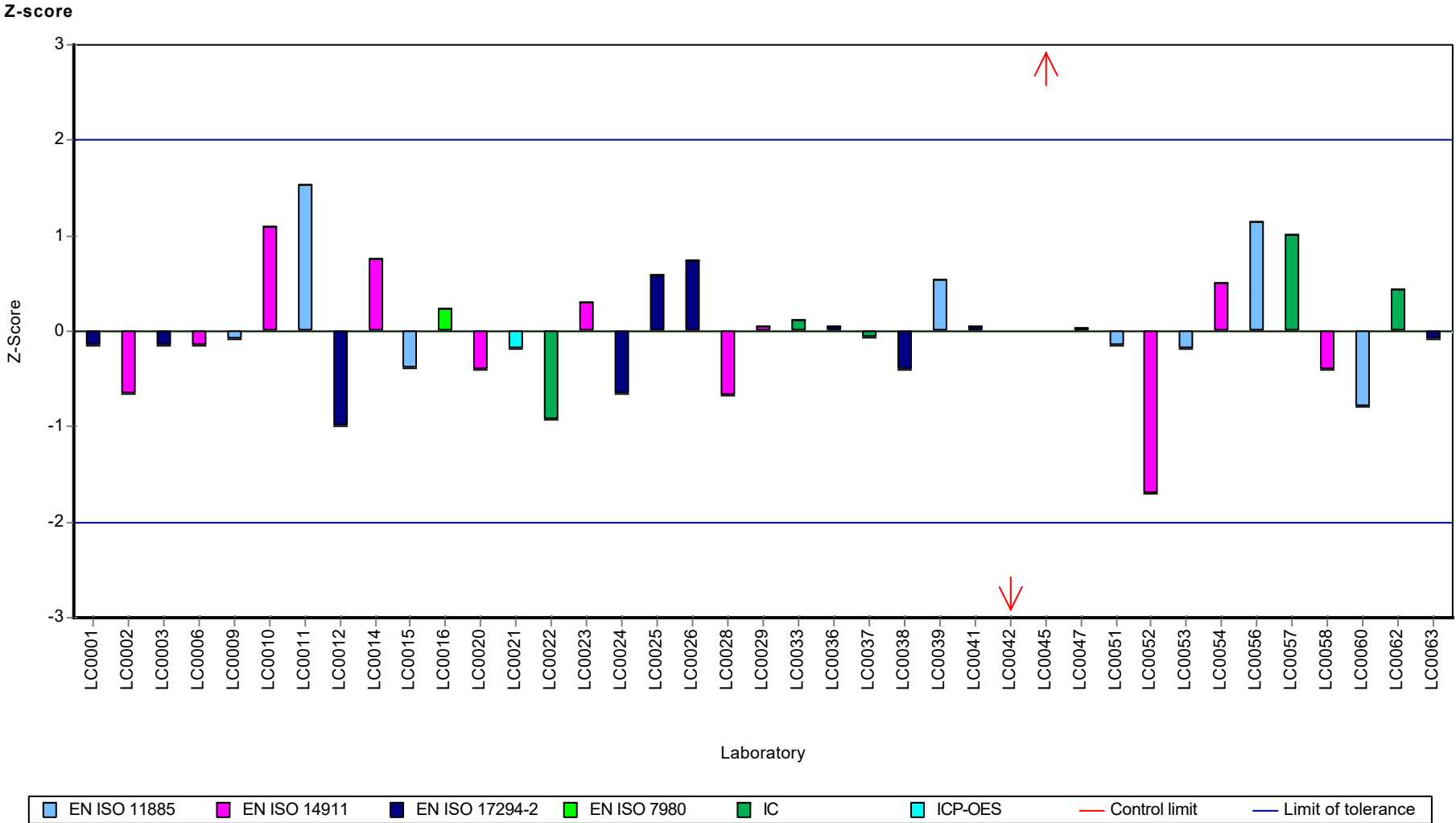
Sample: N175A, Parameter: Magnesium

Recovery rate



Parameter oriented report Nutrients/Major Ions N175

Sample: N175A, Parameter: Magnesium



Parameter oriented report Nutrients/Major Ions N175

Sample: N175B, Parameter: Magnesium

Parameter oriented report

N175 B

Magnesium

Unit	mg/l
Assigned value ± U (k=2)	15.6 ± 0.182
Criterion	0.622 (4 %)
Minimum - Maximum	14.2 - 16.8
Control test value ± U (k=2)	15.3 ± 1.53

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	15.6	3.2	100	0.07	
LC0002	15.2	1.7	97.7	-0.57	
LC0003	15.9	0.25	102	0.55	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	15.5	1.9	99.6	-0.09	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	15.9	0.301	102	0.55	
LC0010	16.07	0.3776	103	0.83	
LC0011	16.3	0.813	105	1.2	
LC0012	15.12	1.51	97.2	-0.7	
LC0013	-	-	-	-	
LC0014	15.6	1.3	100	0.07	
LC0015	15.45	2.32	99.3	-0.17	
LC0016	16.5	0.21	106	1.52	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	-	-	-	-	
LC0020	15.1	1.5	97.1	-0.73	
LC0021	15.26	0.458	98.1	-0.48	
LC0022	14.4	0.7	92.6	-1.86	
LC0023	15.7	1.71	101	0.23	
LC0024	15.3	0.46	98.4	-0.41	
LC0025	16.158	1.95	104	0.97	
LC0026	5.93	0.59	38.1	-15.47	H
LC0027	-	-	-	-	
LC0028	15.09	0.2	97	-0.75	
LC0029	14.6	1.93	93.9	-1.54	
LC0030	-	-	-	-	
LC0031	-	-	-	-	
LC0032	-	-	-	-	
LC0033	15.34	0.72	98.6	-0.35	
LC0034	-	-	-	-	
LC0035	-	-	-	-	
LC0036	15.2	1.5	97.7	-0.57	
LC0037	15.5	1.55	99.6	-0.09	
LC0038	15.5	1.6	99.6	-0.09	
LC0039	15.17	1.52	97.5	-0.62	
LC0040	-	-	-	-	

Parameter oriented report Nutrients/Major Ions N175

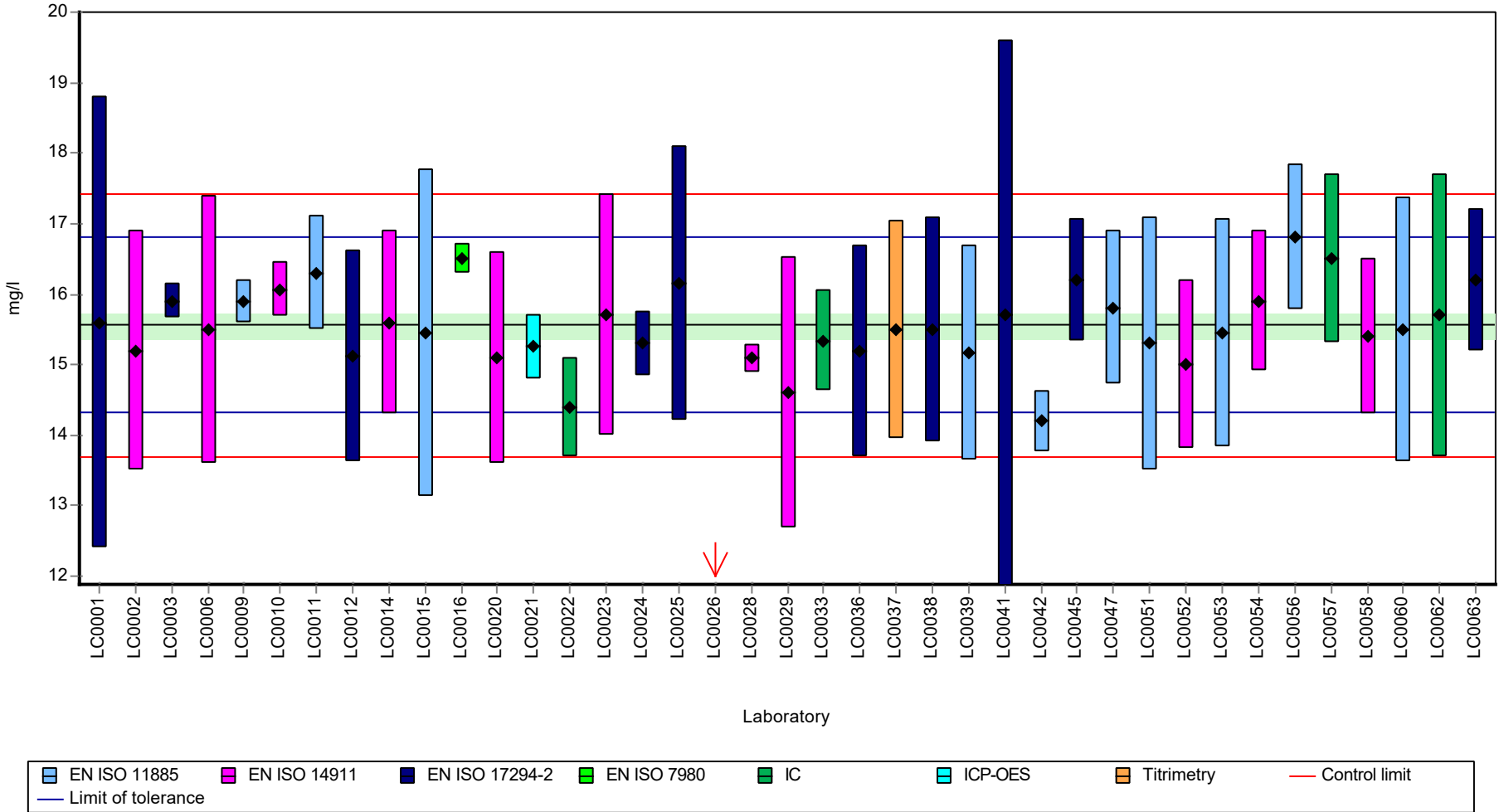
Sample: N175B, Parameter: Magnesium

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0041	15.7	3.9	101	0.23	
LC0042	14.2	0.437	91.3	-2.18	
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	16.2	0.85698	104	1.03	
LC0046	-	-	-	-	
LC0047	15.81	1.1	102	0.41	
LC0048	-	-	-	-	
LC0049	-	-	-	-	
LC0050	-	-	-	-	
LC0051	15.3	1.8	98.4	-0.41	
LC0052	15	1.2	96.4	-0.89	
LC0053	15.45	1.61	99.3	-0.17	
LC0054	15.9	1	102	0.55	
LC0055	-	-	-	-	
LC0056	16.81	1.03886	108	2.02	
LC0057	16.5	1.2	106	1.52	
LC0058	15.4	1.1	99	-0.25	
LC0059	-	-	-	-	
LC0060	15.5	1.87	99.6	-0.09	
LC0061	-	-	-	-	
LC0062	15.7	2	101	0.23	
LC0063	16.2	1	104	1.03	

Characteristics of parameter

	all results	w without outliers	Unit
Mean ± CI (99%)	15.3 ± 0.787	15.6 ± 0.272	mg/l
Minimum	5.93	14.2	mg/l
Maximum	16.8	16.8	mg/l
Standard deviation	1.64	0.56	mg/l
rel. standard deviation	10.7	3.6	%
n	39	38	-

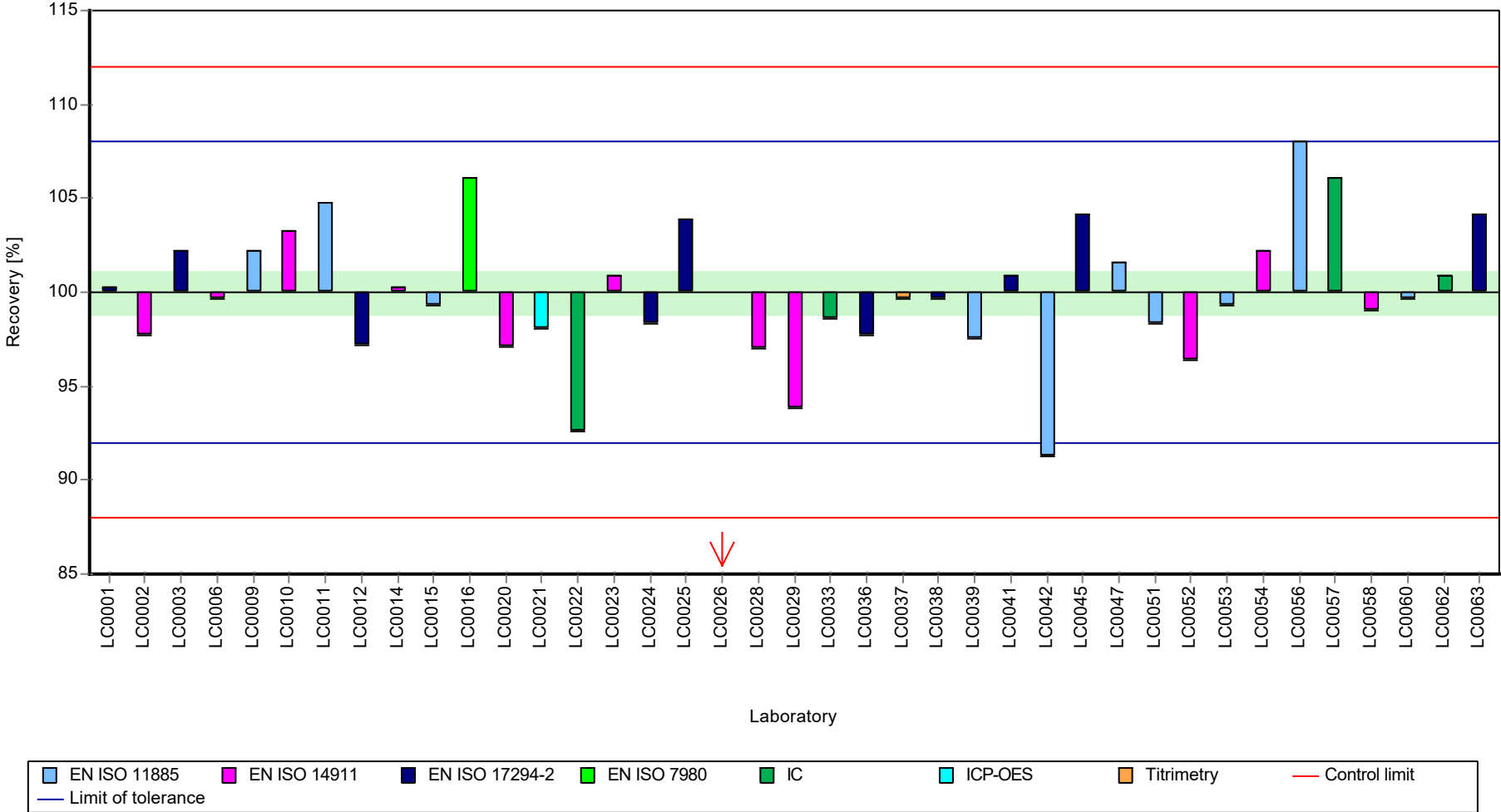
Graphical presentation of results
 Results



Parameter oriented report Nutrients/Major Ions N175

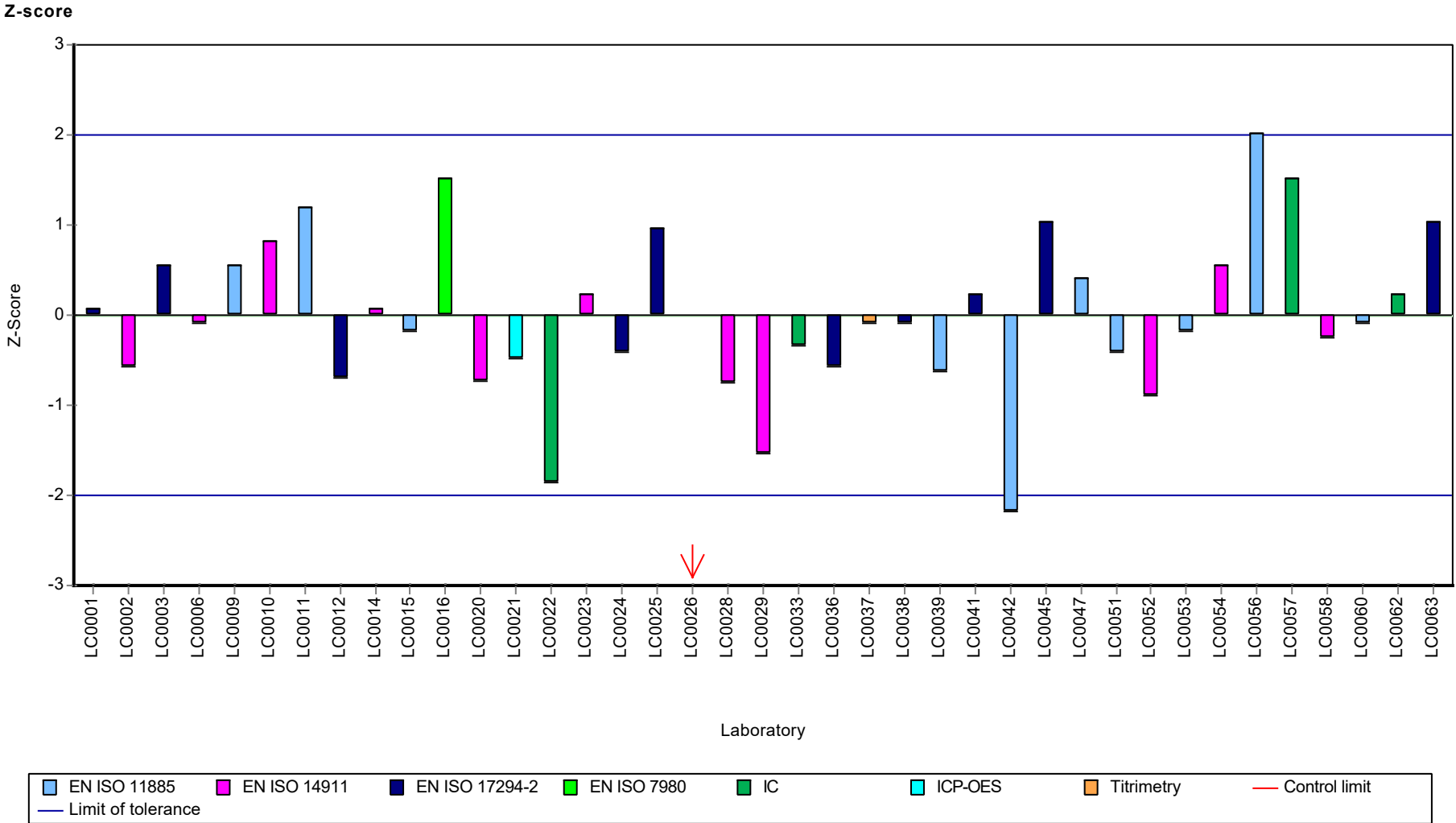
Sample: N175B, Parameter: Magnesium

Recovery rate



Parameter oriented report Nutrients/Major Ions N175

Sample: N175B, Parameter: Magnesium



Parameter oriented report Nutrients/Major Ions N175

Sample: N175A, Parameter: Sodium

Parameter oriented report

N175 A

Sodium

Unit	mg/l
Assigned value ± U (k=2)	26.5 ± 0.22
Criterion	0.899 (3.4 %)
Minimum - Maximum	25 - 28
Control test value ± U (k=2)	25.6 ± 2.56

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	26.6	4	101	0.16	
LC0002	25.6	1.2	96.8	-0.95	
LC0003	26.3	0.44	99.4	-0.17	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	26.6	4	101	0.16	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	26.6	0.268	101	0.16	
LC0010	26.26	0.721	99.3	-0.22	
LC0011	28.9	1.73	109	2.72	H
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	26.4	1.6	99.8	-0.06	
LC0015	26.27	3.94	99.3	-0.21	
LC0016	26	0.5	98.3	-0.51	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	-	-	-	-	
LC0020	26.6	2.7	101	0.16	
LC0021	25.81	1.265	97.6	-0.72	
LC0022	26.2	1.3	99	-0.28	
LC0023	27	2.46	102	0.61	
LC0024	25.8	0.74	97.5	-0.73	
LC0025	27.673	3.204	105	1.35	
LC0026	28.01	2.8	106	1.73	
LC0027	-	-	-	-	
LC0028	25.57	0.2	96.7	-0.98	
LC0029	26.4	4.67	99.8	-0.06	
LC0030	-	-	-	-	
LC0031	-	-	-	-	
LC0032	-	-	-	-	
LC0033	26.57	1.28	100	0.13	
LC0034	-	-	-	-	
LC0035	-	-	-	-	
LC0036	26.1	3.9	98.7	-0.4	
LC0037	27	0.54	102	0.61	
LC0038	26.1	2.6	98.7	-0.4	
LC0039	23.75	2.38	89.8	-3.01	H
LC0040	-	-	-	-	

Parameter oriented report Nutrients/Major Ions N175

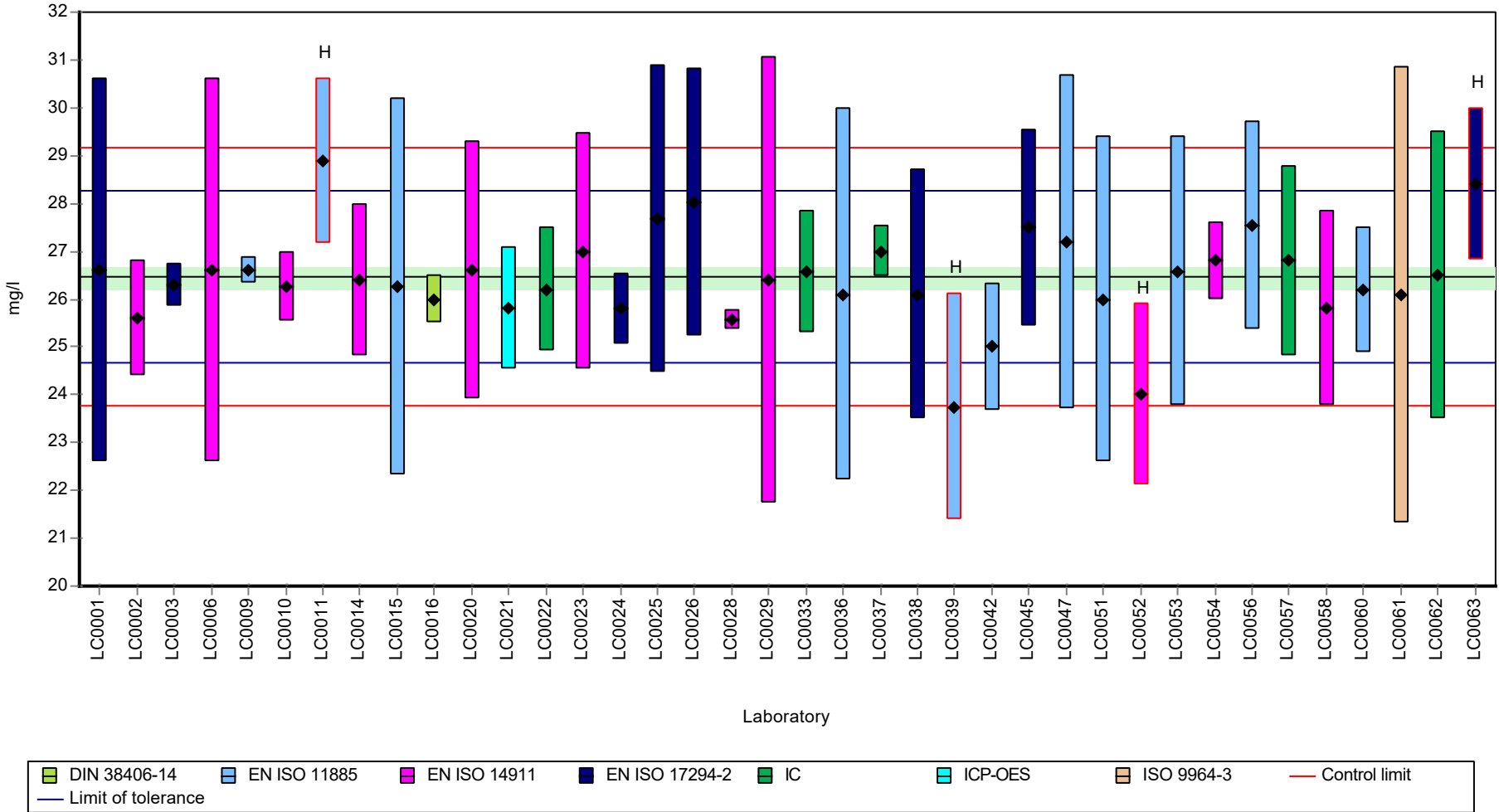
Sample: N175A, Parameter: Sodium

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0041	-	-	-	-	
LC0042	25	1.33	94.5	-1.62	
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	27.5	2.057	104	1.16	
LC0046	-	-	-	-	
LC0047	27.19	3.5	103	0.82	
LC0048	-	-	-	-	
LC0049	-	-	-	-	
LC0050	-	-	-	-	
LC0051	26	3.4	98.3	-0.51	
LC0052	24	1.9	90.7	-2.73	H
LC0053	26.58	2.81	100	0.14	
LC0054	26.8	0.8	101	0.38	
LC0055	-	-	-	-	
LC0056	27.55	2.17645	104	1.22	
LC0057	26.8	2	101	0.38	
LC0058	25.8	2.04	97.5	-0.73	
LC0059	-	-	-	-	
LC0060	26.2	1.31	99	-0.28	
LC0061	26.1	4.77	98.7	-0.4	
LC0062	26.5	3	100	0.05	
LC0063	28.4	1.6	107	2.16	H

Characteristics of parameter

	all results	w without outliers	Unit
Mean ± CI (99%)	26.4 ± 0.485	26.5 ± 0.33	mg/l
Minimum	23.8	25	mg/l
Maximum	28.9	28	mg/l
Standard deviation	0.996	0.642	mg/l
rel. standard deviation	3.77	2.43	%
n	38	34	-

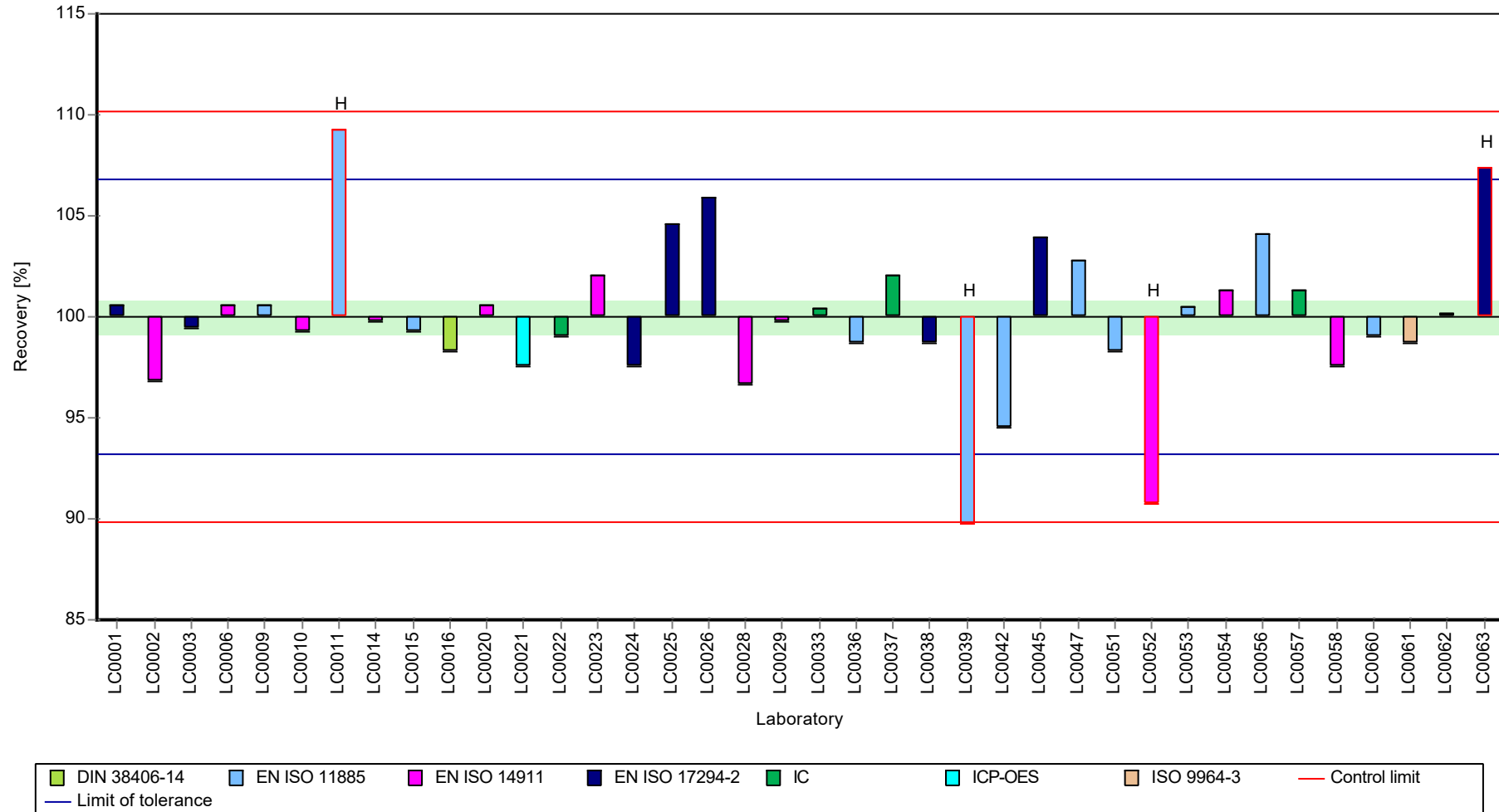
Graphical presentation of results
Results



Parameter oriented report Nutrients/Major Ions N175

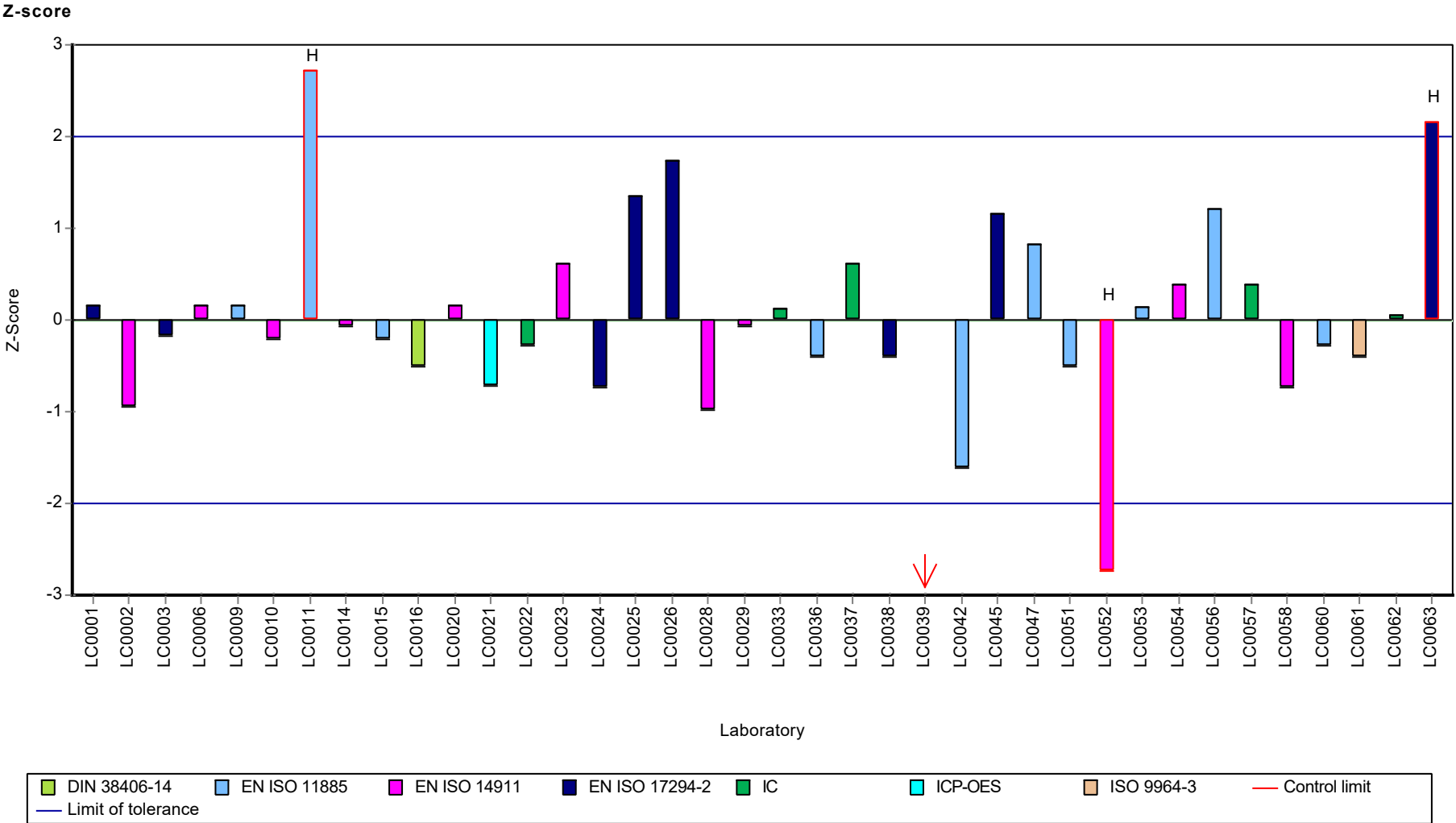
Sample: N175A, Parameter: Sodium

Recovery rate



Parameter oriented report Nutrients/Major Ions N175

Sample: N175A, Parameter: Sodium



Parameter oriented report Nutrients/Major Ions N175

Sample: N175B, Parameter: Sodium

Parameter oriented report

N175 B

Sodium

Unit	mg/l
Assigned value ± U (k=2)	16.4 ± 0.195
Criterion	0.558 (3.4 %)
Minimum - Maximum	15 - 17.6
Control test value ± U (k=2)	15.9 ± 1.59

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	16.7	3.4	102	0.54	
LC0002	15.9	0.7	97	-0.9	
LC0003	16.7	0.1	102	0.54	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	16.4	2.5	100	0	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	16.9	0.253	103	0.9	
LC0010	16.32	0.448	99.5	-0.14	
LC0011	17.4	1.04	106	1.79	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	16.5	1.3	101	0.18	
LC0015	16.71	2.51	102	0.56	
LC0016	16	0.31	97.6	-0.72	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	-	-	-	-	
LC0020	16.3	1.6	99.4	-0.18	
LC0021	16.47	0.795	100	0.13	
LC0022	16.1	0.8	98.2	-0.54	
LC0023	16.9	1.538	103	0.9	
LC0024	16.1	0.47	98.2	-0.54	
LC0025	17.311	2.004	106	1.63	
LC0026	17.13	1.7	104	1.31	
LC0027	-	-	-	-	
LC0028	15.85	0.2	96.6	-0.99	
LC0029	15.1	2.67	92.1	-2.33	
LC0030	-	-	-	-	
LC0031	-	-	-	-	
LC0032	-	-	-	-	
LC0033	16.29	0.78	99.3	-0.2	
LC0034	-	-	-	-	
LC0035	-	-	-	-	
LC0036	16.1	2.42	98.2	-0.54	
LC0037	13.39	0.2678	81.6	-5.4	H
LC0038	16.5	1.7	101	0.18	
LC0039	15.04	1.5	91.7	-2.44	
LC0040	-	-	-	-	

Parameter oriented report Nutrients/Major Ions N175

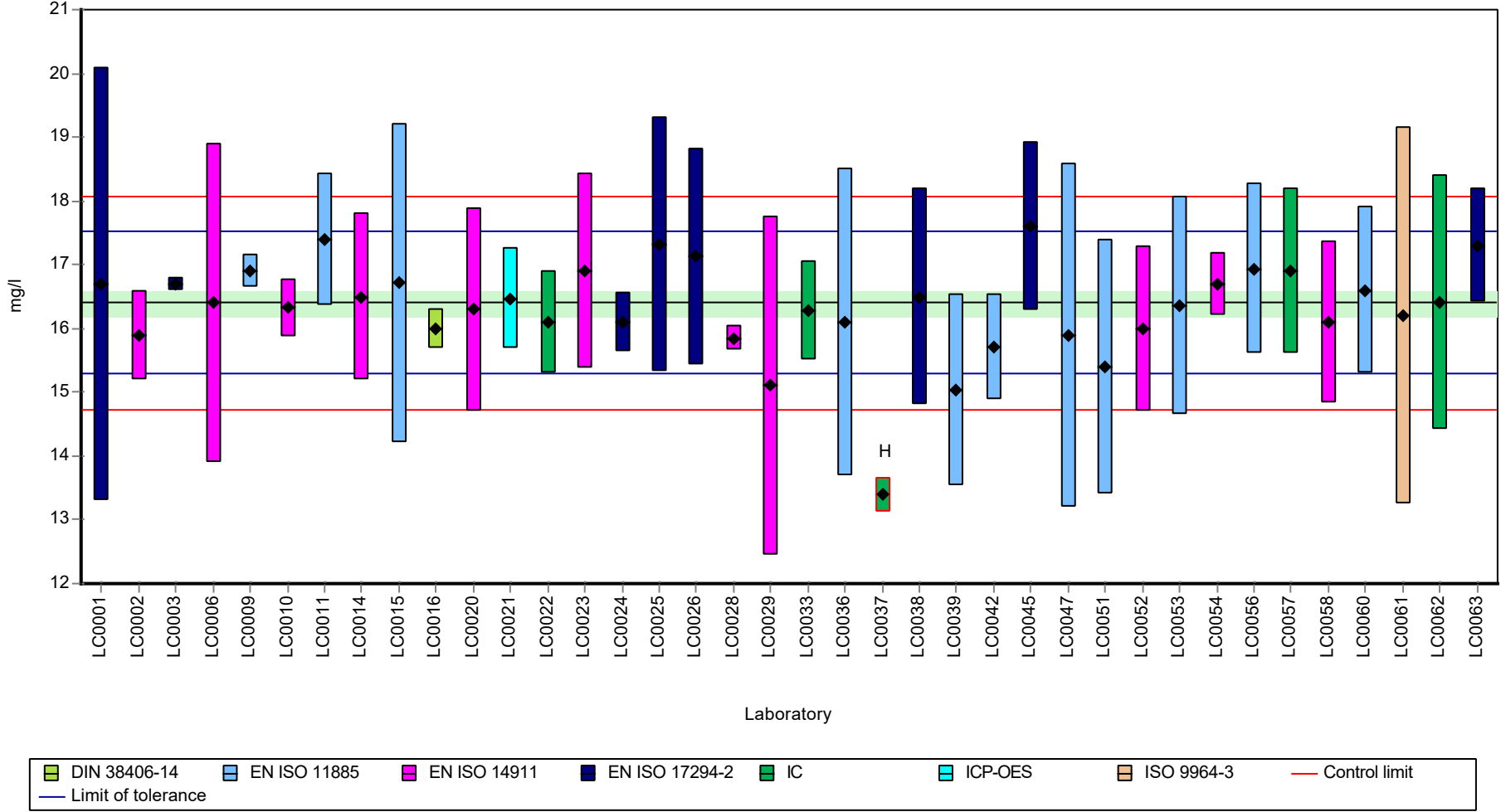
Sample: N175B, Parameter: Sodium

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0041	-	-	-	-	
LC0042	15.7	0.834	95.7	-1.25	
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	17.6	1.31648	107	2.15	
LC0046	-	-	-	-	
LC0047	15.89	2.7	96.9	-0.91	
LC0048	-	-	-	-	
LC0049	-	-	-	-	
LC0050	-	-	-	-	
LC0051	15.4	2	93.9	-1.79	
LC0052	16	1.3	97.6	-0.72	
LC0053	16.35	1.71	99.7	-0.09	
LC0054	16.7	0.5	102	0.54	
LC0055	-	-	-	-	
LC0056	16.93	1.33747	103	0.95	
LC0057	16.9	1.3	103	0.9	
LC0058	16.1	1.27	98.2	-0.54	
LC0059	-	-	-	-	
LC0060	16.6	1.31	101	0.36	
LC0061	16.2	2.96	98.8	-0.36	
LC0062	16.4	2	100	0	
LC0063	17.3	0.9	105	1.61	

Characteristics of parameter

	all results	w without outliers	Unit
Mean ± CI (99%)	16.3 ± 0.371	16.4 ± 0.293	mg/l
Minimum	13.4	15	mg/l
Maximum	17.6	17.6	mg/l
Standard deviation	0.762	0.593	mg/l
rel. standard deviation	4.67	3.62	%
n	38	37	-

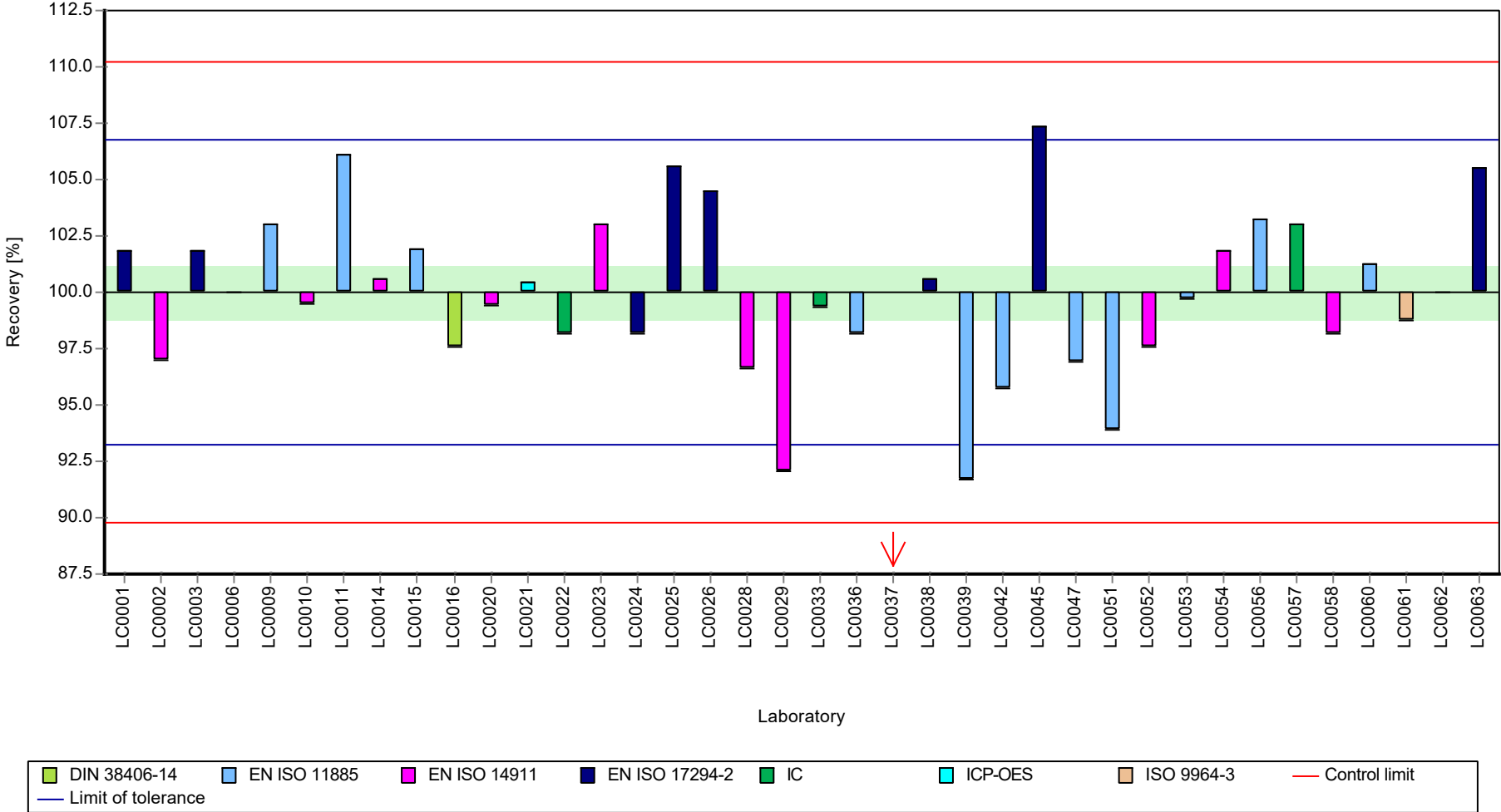
Graphical presentation of results
Results



Parameter oriented report Nutrients/Major Ions N175

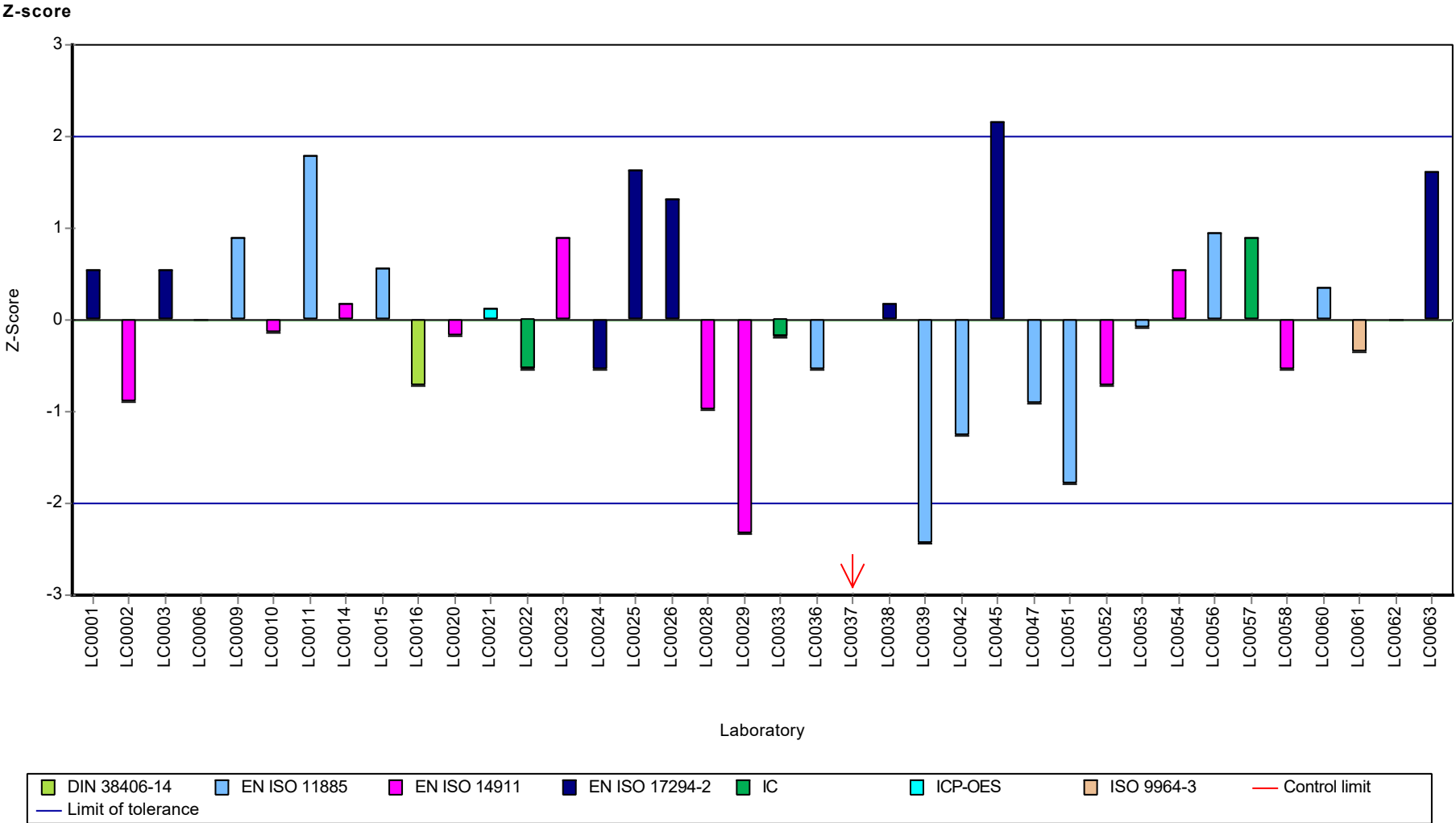
Sample: N175B, Parameter: Sodium

Recovery rate



Parameter oriented report Nutrients/Major Ions N175

Sample: N175B, Parameter: Sodium



Parameter oriented report Nutrients/Major Ions N175

Sample: N175A, Parameter: Nitrate (as NO3)

Parameter oriented report

N175 A

Nitrate (as NO3)

Unit	mg/l
Assigned value ± U (k=2)	12.6 ± 0.15
Criterion	0.629 (5 %)
Minimum - Maximum	11.5 - 13.6
Control test value ± U (k=2)	16.4 ± 1.64

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	12.46	1.3	99	-0.2	
LC0002	12.5	0.7	99.3	-0.14	
LC0003	13.3	0.21	106	1.13	
LC0004	12.46	0.85	99	-0.2	
LC0005	-	-	-	-	
LC0006	12.8	1.1	102	0.34	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	12.8	0.37	102	0.34	
LC0010	12.26	0.2857	97.4	-0.52	
LC0011	12.8	0.9	102	0.34	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	12.75	0.77	101	0.26	
LC0015	13.08	2.16	104	0.78	
LC0016	12.3	0.83	97.7	-0.46	
LC0017	12.607	1.891	100	0.03	
LC0018	-	-	-	-	
LC0019	12	0.54	95.3	-0.93	
LC0020	12.6	1.3	100	0.02	
LC0021	13.3	2	106	1.13	
LC0022	13.2	1.3	105	0.97	
LC0023	12.6	0.58	100	0.02	
LC0024	12	0.59	95.3	-0.93	
LC0025	12.802	0.973	102	0.34	
LC0026	-	-	-	-	
LC0027	12.81	0.55	102	0.35	
LC0028	12.442	0.4	98.8	-0.23	
LC0029	13.1	1.11	104	0.82	
LC0030	12.2	0.227	96.9	-0.61	
LC0031	-	-	-	-	
LC0032	-	-	-	-	
LC0033	11.81	0.79	93.8	-1.23	
LC0034	12.531	0.555	99.6	-0.09	
LC0035	-	-	-	-	
LC0036	12	1.8	95.3	-0.93	
LC0037	12.62	0.631	100	0.05	
LC0038	12.8	1.3	102	0.34	
LC0039	9.71	0.357	77.1	-4.57	H
LC0040	13	0.59	103	0.66	

Parameter oriented report Nutrients/Major Ions N175

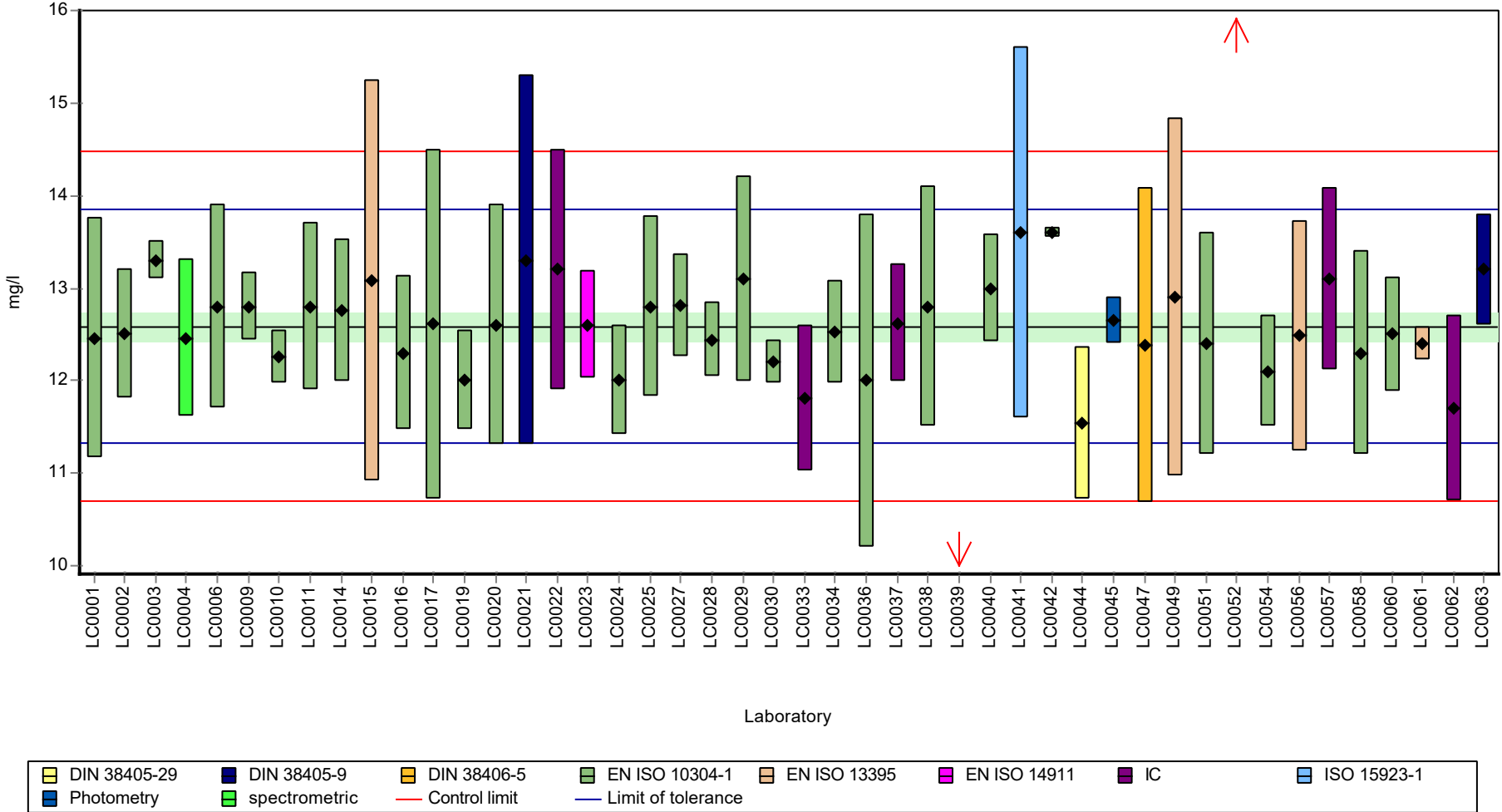
Sample: N175A, Parameter: Nitrate (as NO3)

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0041	13.6	2	108	1.61	
LC0042	13.6	0.057	108	1.61	
LC0043	-	-	-	-	
LC0044	11.54	0.8251	91.7	-1.66	
LC0045	12.65	0.25679	101	0.1	
LC0046	-	-	-	-	
LC0047	12.38	1.7	98.4	-0.33	
LC0048	-	-	-	-	
LC0049	12.9	1.94	102	0.5	
LC0050	-	-	-	-	
LC0051	12.4	1.2	98.5	-0.3	
LC0052	21	1.7	167	13.37	H
LC0053	-	-	-	-	
LC0054	12.1	0.6	96.1	-0.77	
LC0055	-	-	-	-	
LC0056	12.482	1.2482	99.2	-0.17	
LC0057	13.1	0.98	104	0.82	
LC0058	12.3	1.1	97.7	-0.46	
LC0059	-	-	-	-	
LC0060	12.5	0.625	99.3	-0.14	
LC0061	12.4	0.174	98.5	-0.3	
LC0062	11.7	1	93	-1.41	
LC0063	13.2	0.6	105	0.97	

Characteristics of parameter

	all results	w without outliers	Unit
Mean ± CI (99%)	12.7 ± 0.617	12.6 ± 0.213	mg/l
Minimum	9.71	11.5	mg/l
Maximum	21	13.6	mg/l
Standard deviation	1.4	0.471	mg/l
rel. standard deviation	11	3.73	%
n	46	44	-

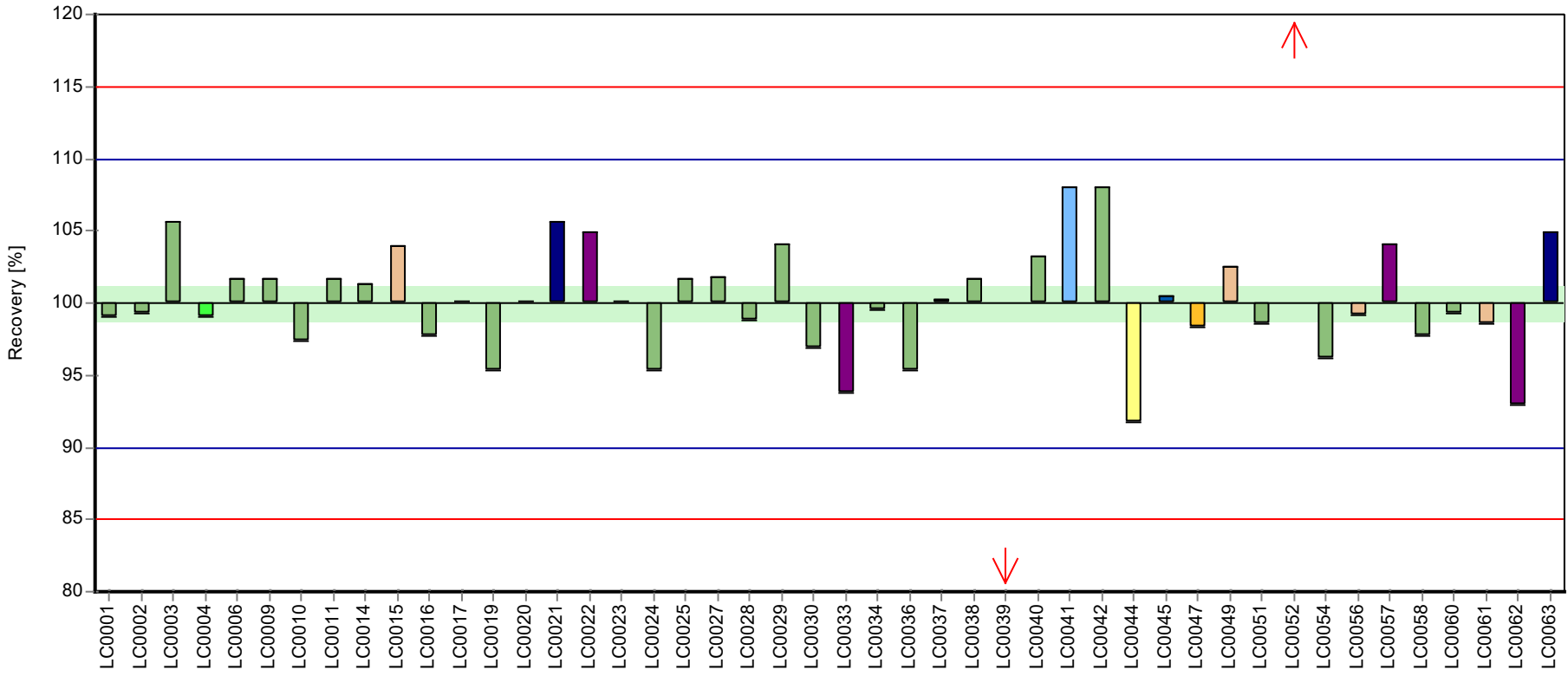
Graphical presentation of results
 Results



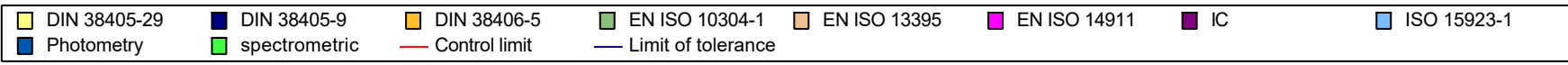
Parameter oriented report Nutrients/Major Ions N175

Sample: N175A, Parameter: Nitrate (as NO3)

Recovery rate

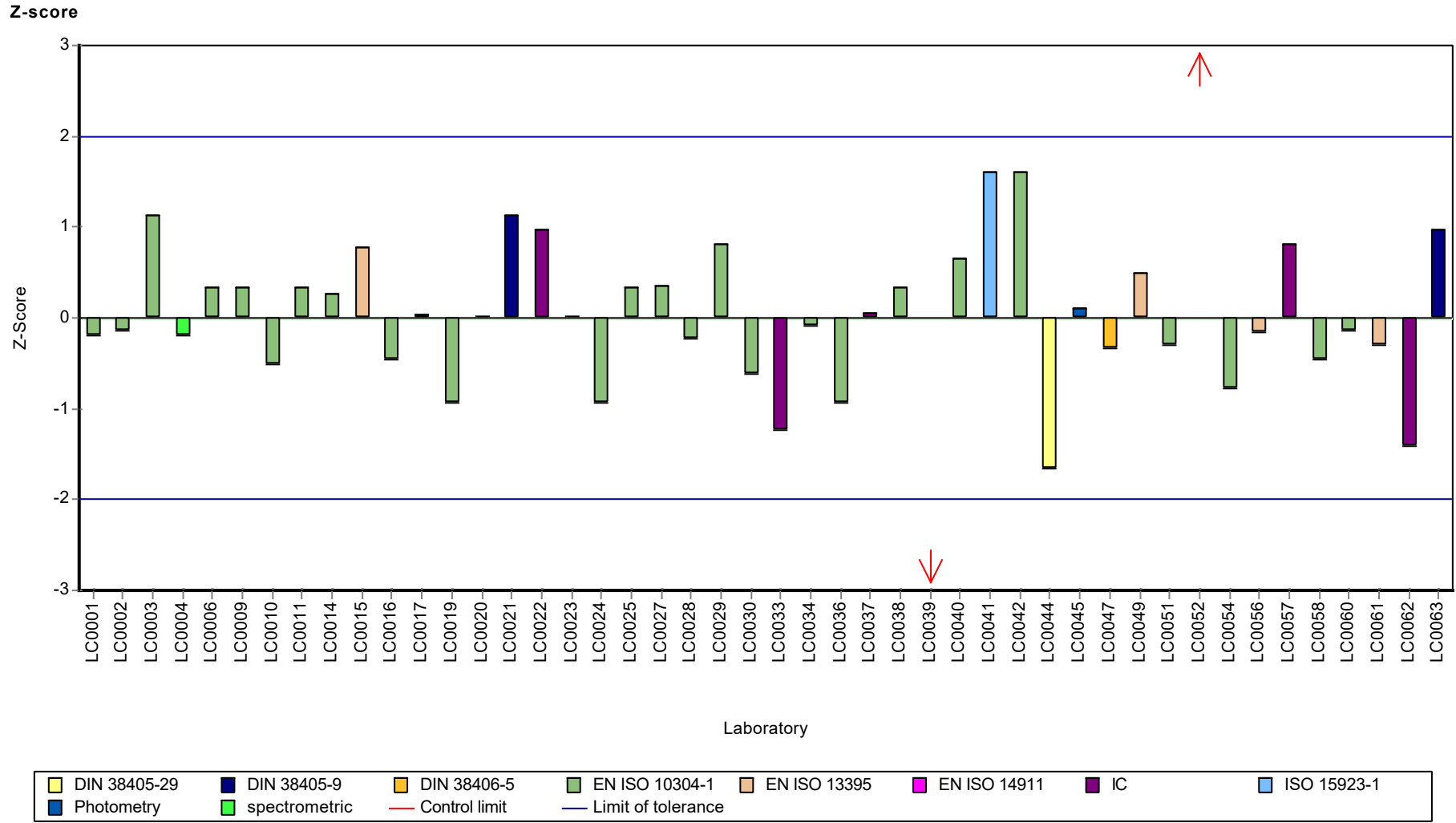


Laboratory



Parameter oriented report Nutrients/Major Ions N175

Sample: N175A, Parameter: Nitrate (as NO3)



Parameter oriented report Nutrients/Major Ions N175

Sample: N175B, Parameter: Nitrate (as NO₃)

Parameter oriented report

N175 B

Nitrate (as NO₃)

Unit	mg/l
Assigned value ± U (k=2)	23.3 ± 0.218
Criterion	1.16 (5 %)
Minimum - Maximum	22.2 - 24.9
Control test value ± U (k=2)	28.2 ± 2.82

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	22.93	3	98.5	-0.3	
LC0002	23	1.2	98.8	-0.24	
LC0003	23	0.12	98.8	-0.24	
LC0004	22.88	1.57	98.3	-0.35	
LC0005	-	-	-	-	
LC0006	23.8	2	102	0.44	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	23.5	0.3	101	0.19	
LC0010	23.05	0.5371	99	-0.2	
LC0011	23.6	1.65	101	0.27	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	22.9	1.4	98.4	-0.33	
LC0015	23.57	3.88	101	0.25	
LC0016	22.8	1.54	97.9	-0.41	
LC0017	23.69	3.55	102	0.35	
LC0018	-	-	-	-	
LC0019	21	0.95	90.2	-1.96	H
LC0020	23.4	2.3	101	0.1	
LC0021	24.75	3.713	106	1.26	
LC0022	24.1	2.4	104	0.7	
LC0023	23.2	1.07	99.6	-0.07	
LC0024	22.2	1.08	95.4	-0.93	
LC0025	22.6	1.72	97.1	-0.59	
LC0026	-	-	-	-	
LC0027	23.1	0.99	99.2	-0.16	
LC0028	23.058	0.4	99	-0.19	
LC0029	24.5	2.07	105	1.05	
LC0030	23.65	0.44	102	0.32	
LC0031	-	-	-	-	
LC0032	-	-	-	-	
LC0033	23.12	1.55	99.3	-0.14	
LC0034	23.143	1.025	99.4	-0.12	
LC0035	-	-	-	-	
LC0036	22.58	3.39	97	-0.6	
LC0037	23.27	1.1635	99.9	-0.01	
LC0038	23.3	2.3	100	0.02	
LC0039	21.02	0.807	90.3	-1.94	H
LC0040	24	1.1	103	0.62	

Parameter oriented report Nutrients/Major Ions N175

Sample: N175B, Parameter: Nitrate (as NO₃)

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0041	25.2	3.8	108	1.65	H
LC0042	24.5	0.173	105	1.05	
LC0043	-	-	-	-	
LC0044	22.56	1.613	96.9	-0.62	
LC0045	24.45	0.49633	105	1	
LC0046	-	-	-	-	
LC0047	23.05	3.2	99	-0.2	
LC0048	-	-	-	-	
LC0049	23.7	3.56	102	0.36	
LC0050	-	-	-	-	
LC0051	23.1	2.3	99.2	-0.16	
LC0052	23	1.8	98.8	-0.24	
LC0053	23.25	3.32	99.9	-0.03	
LC0054	22.8	1.2	97.9	-0.41	
LC0055	-	-	-	-	
LC0056	23.27	2.3268	99.9	-0.01	
LC0057	23.3	1.75	100	0.02	
LC0058	16.9	1.5	72.6	-5.48	H
LC0059	-	-	-	-	
LC0060	23.6	0.625	101	0.27	
LC0061	23.3	0.326	100	0.02	
LC0062	22.8	2	97.9	-0.41	
LC0063	24.9	1.2	107	1.39	

Characteristics of parameter

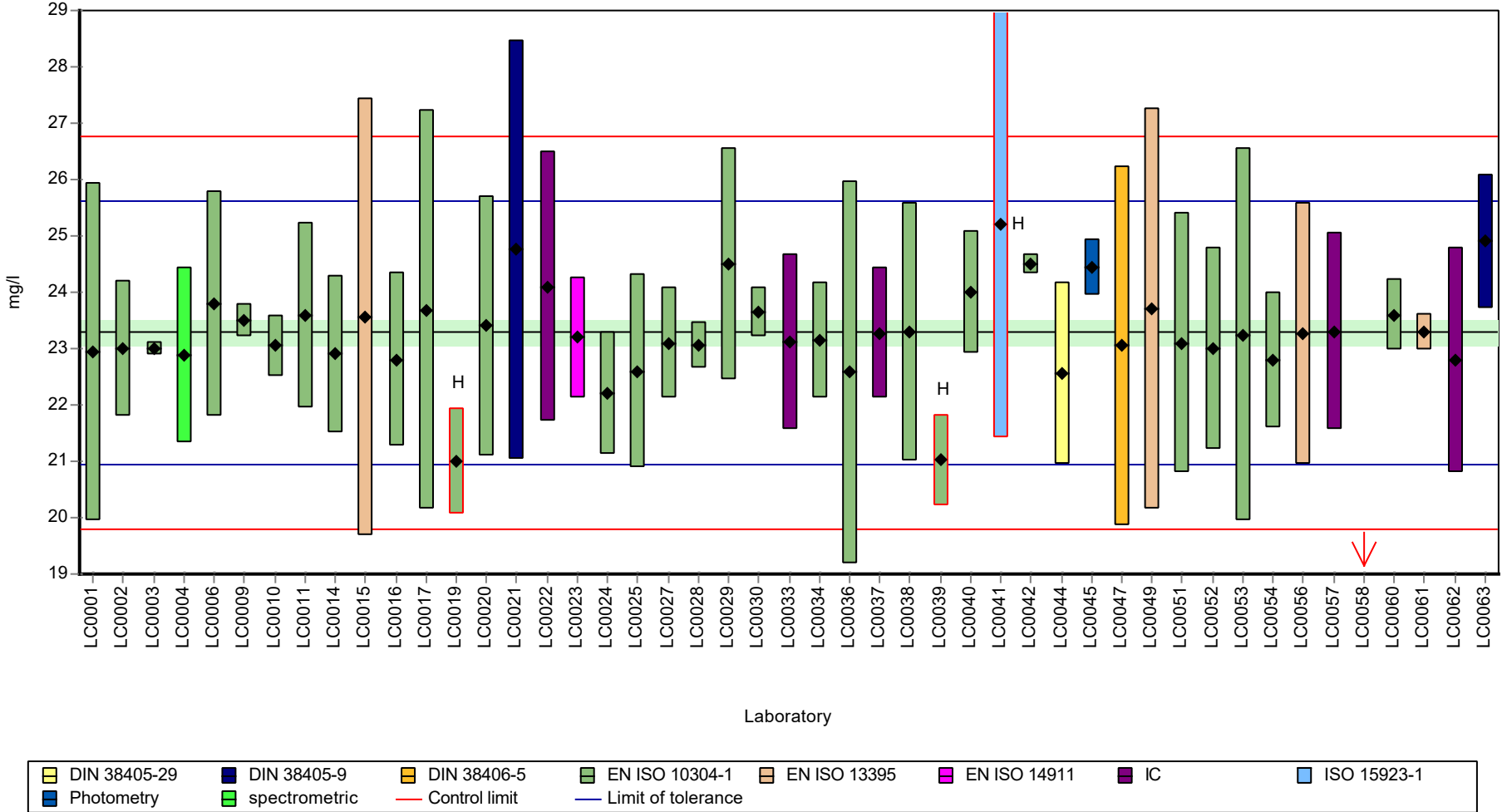
	all results	w without outliers	Unit
Mean ± CI (99%)	23.2 ± 0.539	23.4 ± 0.277	mg/l
Minimum	16.9	22.2	mg/l
Maximum	25.2	24.9	mg/l
Standard deviation	1.23	0.606	mg/l
rel. standard deviation	5.31	2.6	%
n	47	43	-

Parameter oriented report Nutrients/Major Ions N175

Sample: N175B, Parameter: Nitrate (as NO3)

Graphical presentation of results

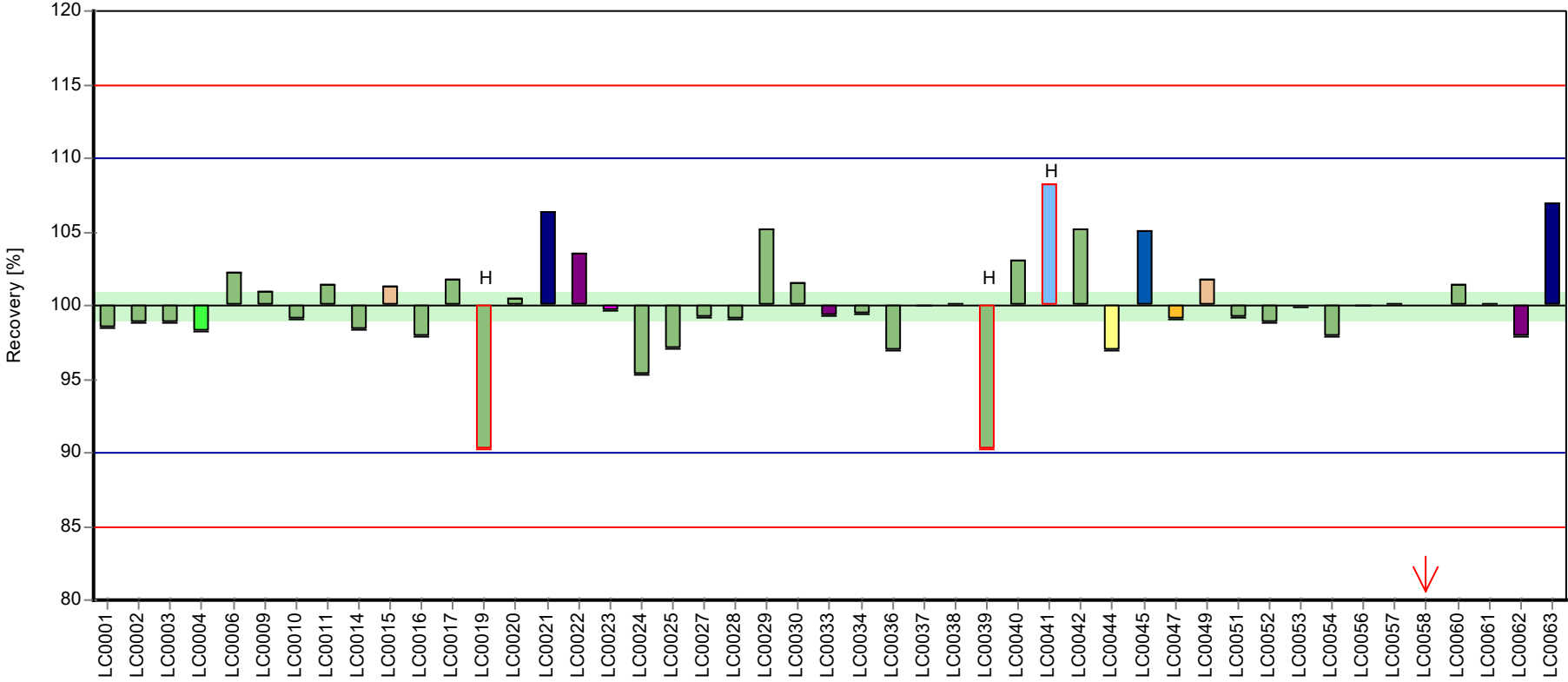
Results



Parameter oriented report Nutrients/Major Ions N175

Sample: N175B, Parameter: Nitrate (as NO3)

Recovery rate

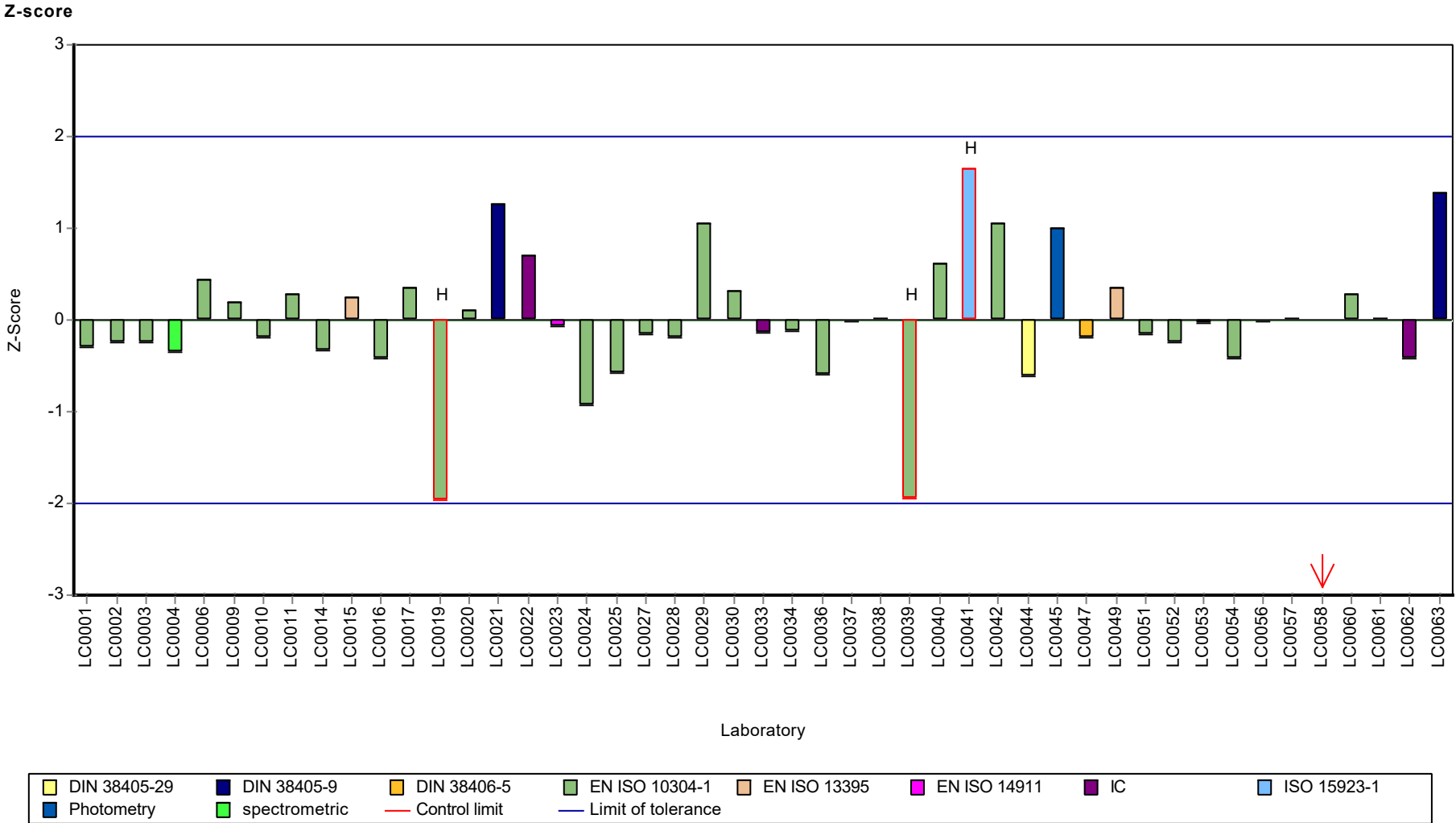


Laboratory



Parameter oriented report Nutrients/Major Ions N175

Sample: N175B, Parameter: Nitrate (as NO3)



Parameter oriented report Nutrients/Major Ions N175

Sample: N175A, Parameter: Nitrite (as NO₂)

Parameter oriented report

N175 A

Nitrite (as NO₂)

Unit	mg/l
Assigned value ± U (k=2)	0.0382 ± 0.001
Criterion	0.00298 (7.8 %)
Minimum - Maximum	0.03 - 0.0432
Control test value ± U (k=2)	0.0404 ± 0.00606

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.0382	0.002	100	0.01	
LC0002	< 0.066 (LOQ)	-	-	-	
LC0003	0.0384	0.001	101	0.07	
LC0004	0.0382	0.0038	100	0.01	
LC0005	-	-	-	-	
LC0006	0.039	0.003	102	0.28	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.0382	0.00106	100	0.01	
LC0010	0.037	0.00037	96.9	-0.4	
LC0011	0.0328	0.00235	85.9	-1.81	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	0.038	0.005	99.5	-0.06	
LC0015	0.04167	0.0063	109	1.17	
LC0016	0.0195	0.0015	51.1	-6.27	H
LC0017	0.0392	0.0059	103	0.34	
LC0018	-	-	-	-	
LC0019	< 0.12 (LOQ)	-	-	-	
LC0020	0.0367	0.0037	96.1	-0.5	
LC0021	0.0415	0.004	109	1.12	
LC0022	0.0371	0.004	97.2	-0.36	
LC0023	0.04	0.002	105	0.61	
LC0024	0.0432	0.0025	113	1.69	
LC0025	0.038	0.004	99.5	-0.06	
LC0026	-	-	-	-	
LC0027	0.038	0.003	99.5	-0.06	
LC0028	0.0338	0.002	88.5	-1.47	
LC0029	0.036	0.004	94.3	-0.73	
LC0030	0.03749	0.00068	98.2	-0.23	
LC0031	0.034	0.004	89.1	-1.4	
LC0032	-	-	-	-	
LC0033	0.0376	0.003	98.5	-0.19	
LC0034	< 0.016 (LOQ)	-	-	-	FN
LC0035	-	-	-	-	
LC0036	0.036	0.0036	94.3	-0.73	
LC0037	0.04	0.004	105	0.61	
LC0038	0.06	0.01	157	7.33	H
LC0039	0.0373	0.0025	97.7	-0.3	
LC0040	-	-	-	-	

Parameter oriented report Nutrients/Major Ions N175

Sample: N175A, Parameter: Nitrite (as NO₂)

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0041	0.0416	0.0042	109	1.15	
LC0042	0.0123	0.001	32.2	-8.69	H
LC0043	-	-	-	-	
LC0044	0.041	0.0026	107	0.95	
LC0045	0.05	0.00269	131	3.97	H
LC0046	-	-	-	-	
LC0047	0.0212	0.003	55.5	-5.7	H
LC0048	-	-	-	-	
LC0049	0.0411	0.00617	108	0.98	
LC0050	-	-	-	-	
LC0051	0.0392	0.0043	103	0.34	
LC0052	0.038	0.01	99.5	-0.06	
LC0053	-	-	-	-	
LC0054	0.0411	0.003	108	0.98	
LC0055	-	-	-	-	
LC0056	0.0329	0.00253	86.2	-1.77	
LC0057	0.05	0.005	131	3.97	H
LC0058	0.072	0.007	189	11.36	H
LC0059	-	-	-	-	
LC0060	0.042	0.0042	110	1.28	
LC0061	< 0.053 (LOQ)	-	-	-	
LC0062	0.03	0.006	78.6	-2.75	
LC0063	0.042	0.002	110	1.28	

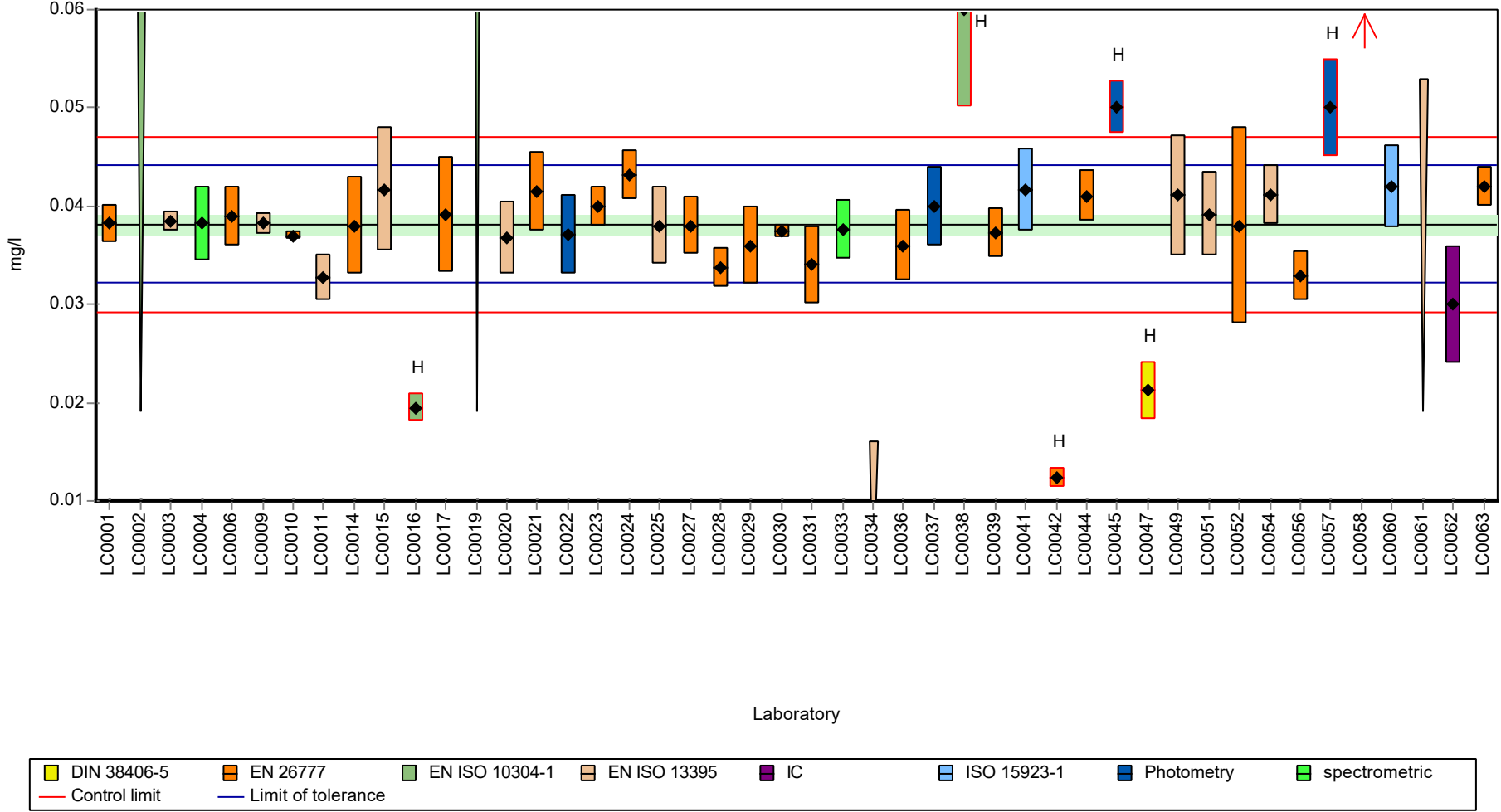
Characteristics of parameter

	all results	w without outliers	Unit
Mean ± CI (99%)	0.0386 ± 0.00428	0.0382 ± 0.00151	mg/l
Minimum	0.0123	0.03	mg/l
Maximum	0.072	0.0432	mg/l
Standard deviation	0.00924	0.00297	mg/l
rel. standard deviation	23.9	7.78	%
n	42	35	-

Parameter oriented report Nutrients/Major Ions N175

Sample: N175A, Parameter: Nitrite (as NO₂)

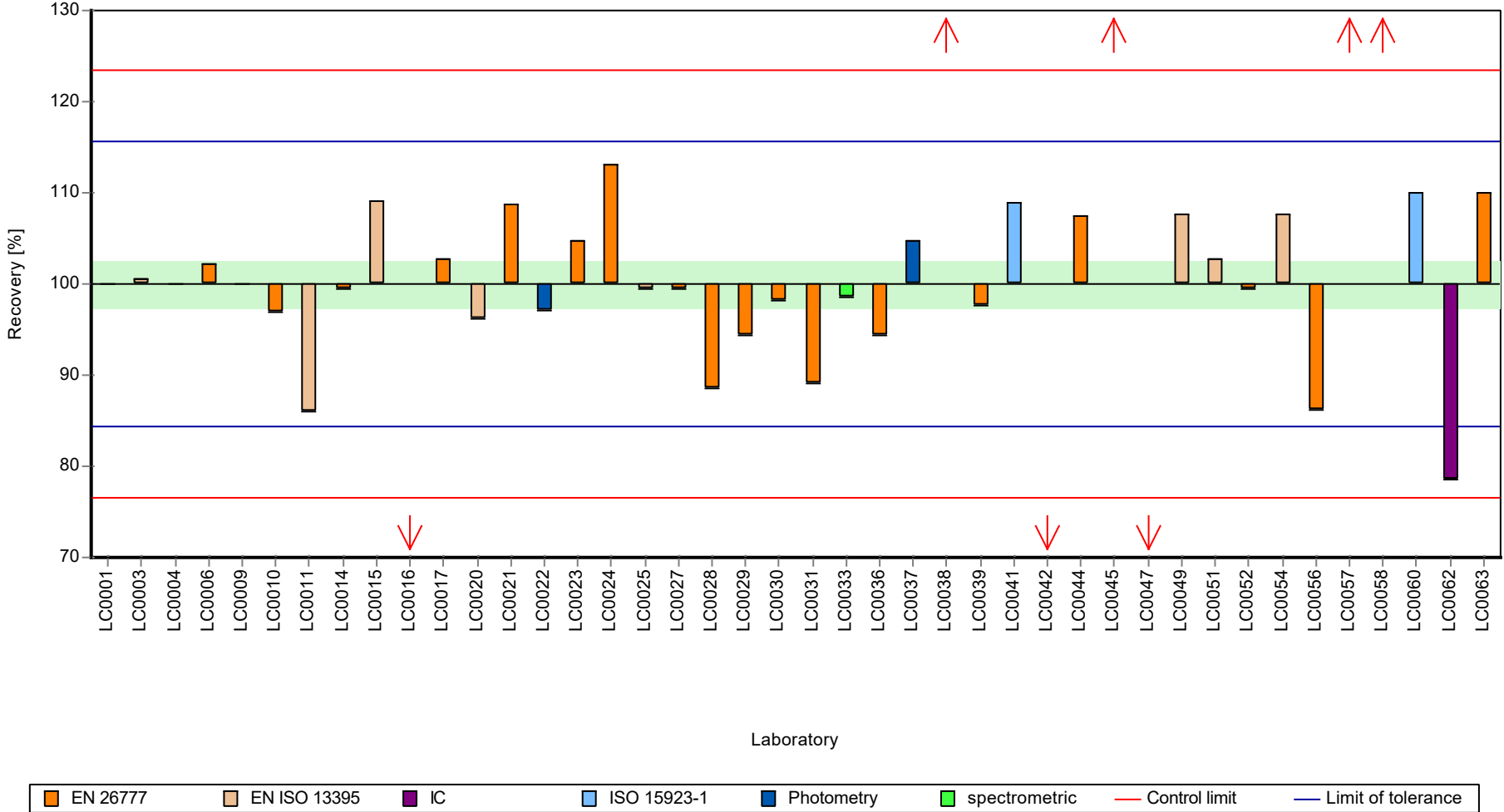
Graphical presentation of results
Results



Parameter oriented report Nutrients/Major Ions N175

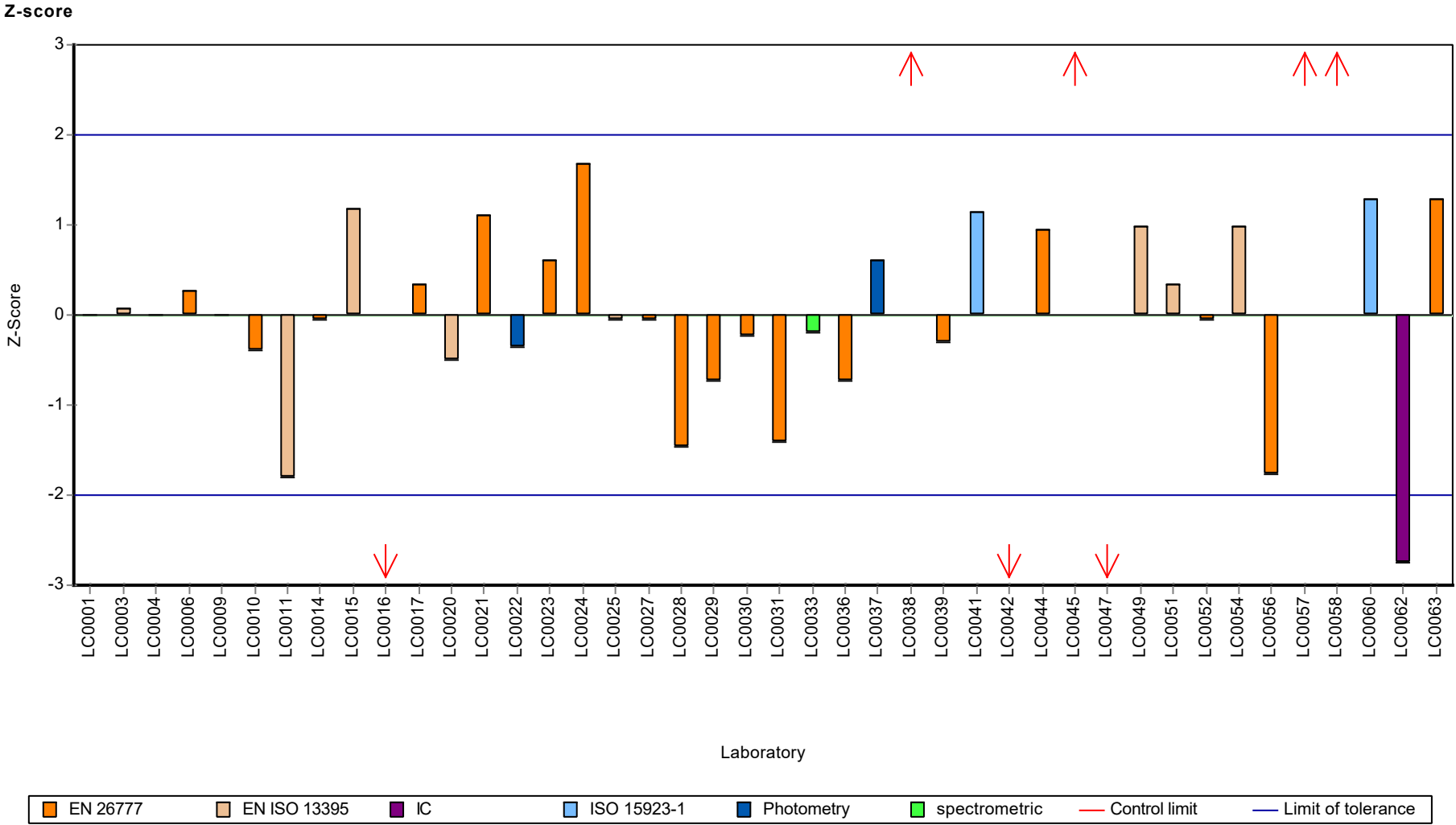
Sample: N175A, Parameter: Nitrite (as NO2)

Recovery rate



Parameter oriented report Nutrients/Major Ions N175

Sample: N175A, Parameter: Nitrite (as NO2)



Parameter oriented report Nutrients/Major Ions N175

Sample: N175B, Parameter: Nitrite (as NO₂)

Parameter oriented report

N175 B

Nitrite (as NO₂)

Unit	mg/l
Assigned value ± U (k=2)	0.678 ± 0.00681
Criterion	0.0360 (5.3 %)
Minimum - Maximum	0.632 - 0.725
Control test value ± U (k=2)	0.715 ± 0.107

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.6723	0.04	99.1	-0.17	
LC0002	0.632	0.045	93.2	-1.29	
LC0003	0.691	0.001	102	0.35	
LC0004	0.636	0.064	93.8	-1.18	
LC0005	-	-	-	-	
LC0006	0.669	0.05	98.6	-0.26	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.658	0.0053	97	-0.57	
LC0010	0.675	0.00672	99.5	-0.09	
LC0011	0.669	0.0478	98.6	-0.26	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	0.69	0.09	102	0.32	
LC0015	0.6773	0.1016	99.8	-0.03	
LC0016	0.638	0.048	94	-1.12	
LC0017	0.69	0.104	102	0.32	
LC0018	-	-	-	-	
LC0019	0.55	0.033	81.1	-3.57	H
LC0020	0.495	0.05	73	-5.1	H
LC0021	0.6715	0.067	99	-0.19	
LC0022	0.7169	0.072	106	1.07	
LC0023	0.675	0.034	99.5	-0.09	
LC0024	0.686	0.028	101	0.21	
LC0025	0.679	0.07	100	0.02	
LC0026	-	-	-	-	
LC0027	0.681	0.04	100	0.07	
LC0028	0.646	0.002	95.2	-0.9	
LC0029	0.69	0.074	102	0.32	
LC0030	0.6726	0.01211	99.1	-0.16	
LC0031	0.68	0.08	100	0.04	
LC0032	-	-	-	-	
LC0033	0.6778	0.047	99.9	-0.02	
LC0034	0.692	0.194	102	0.38	
LC0035	-	-	-	-	
LC0036	0.672	0.0672	99.1	-0.18	
LC0037	0.64	0.064	94.3	-1.07	
LC0038	0.71	0.08	105	0.88	
LC0039	0.677	0.045	99.8	-0.04	
LC0040	-	-	-	-	

Parameter oriented report Nutrients/Major Ions N175

Sample: N175B, Parameter: Nitrite (as NO₂)

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0041	0.668	0.1	98.5	-0.29	
LC0042	0.202	0.009	29.8	-13.25	H
LC0043	-	-	-	-	
LC0044	0.6943	0.0448	102	0.44	
LC0045	0.69	0.03719	102	0.32	
LC0046	-	-	-	-	
LC0047	0.6761	0.11	99.7	-0.06	
LC0048	-	-	-	-	
LC0049	0.719	0.108	106	1.13	
LC0050	-	-	-	-	
LC0051	0.687	0.075	101	0.24	
LC0052	0.65	0.06	95.8	-0.79	
LC0053	-	-	-	-	
LC0054	0.707	0.051	104	0.8	
LC0055	-	-	-	-	
LC0056	0.701	0.05384	103	0.63	
LC0057	0.725	0.073	107	1.3	
LC0058	0.747	0.075	110	1.91	H
LC0059	-	-	-	-	
LC0060	0.696	0.0042	103	0.49	
LC0061	0.69	0.0455	102	0.32	
LC0062	0.65	0.14	95.8	-0.79	
LC0063	0.675	0.03	99.5	-0.09	

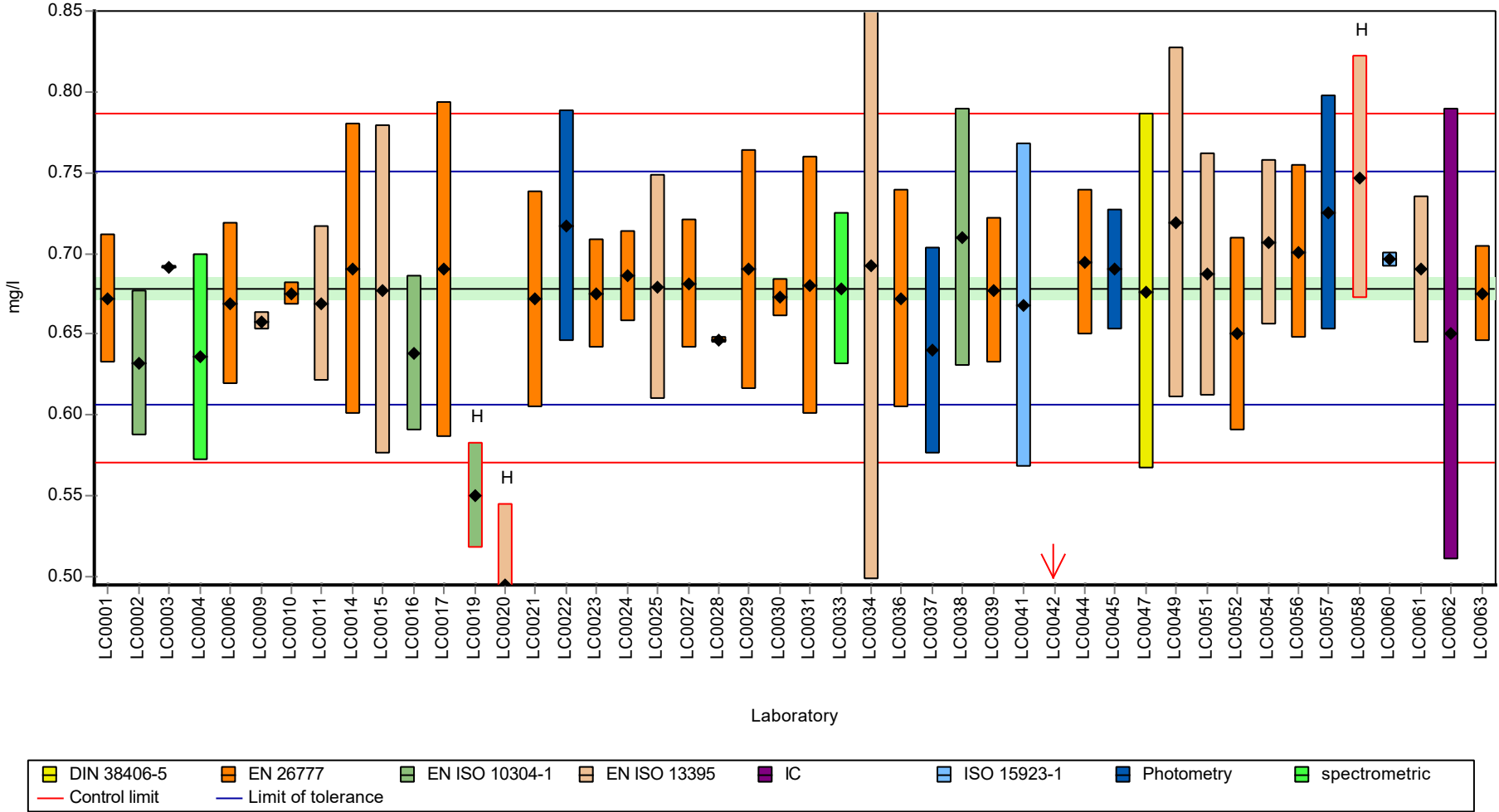
Characteristics of parameter

	all results	w without outliers	Unit
Mean ± CI (99%)	0.663 ± 0.0355	0.678 ± 0.0102	mg/l
Minimum	0.202	0.632	mg/l
Maximum	0.747	0.725	mg/l
Standard deviation	0.0803	0.0221	mg/l
rel. standard deviation	12.1	3.25	%
n	46	42	-

Parameter oriented report Nutrients/Major Ions N175

Sample: N175B, Parameter: Nitrite (as NO₂)

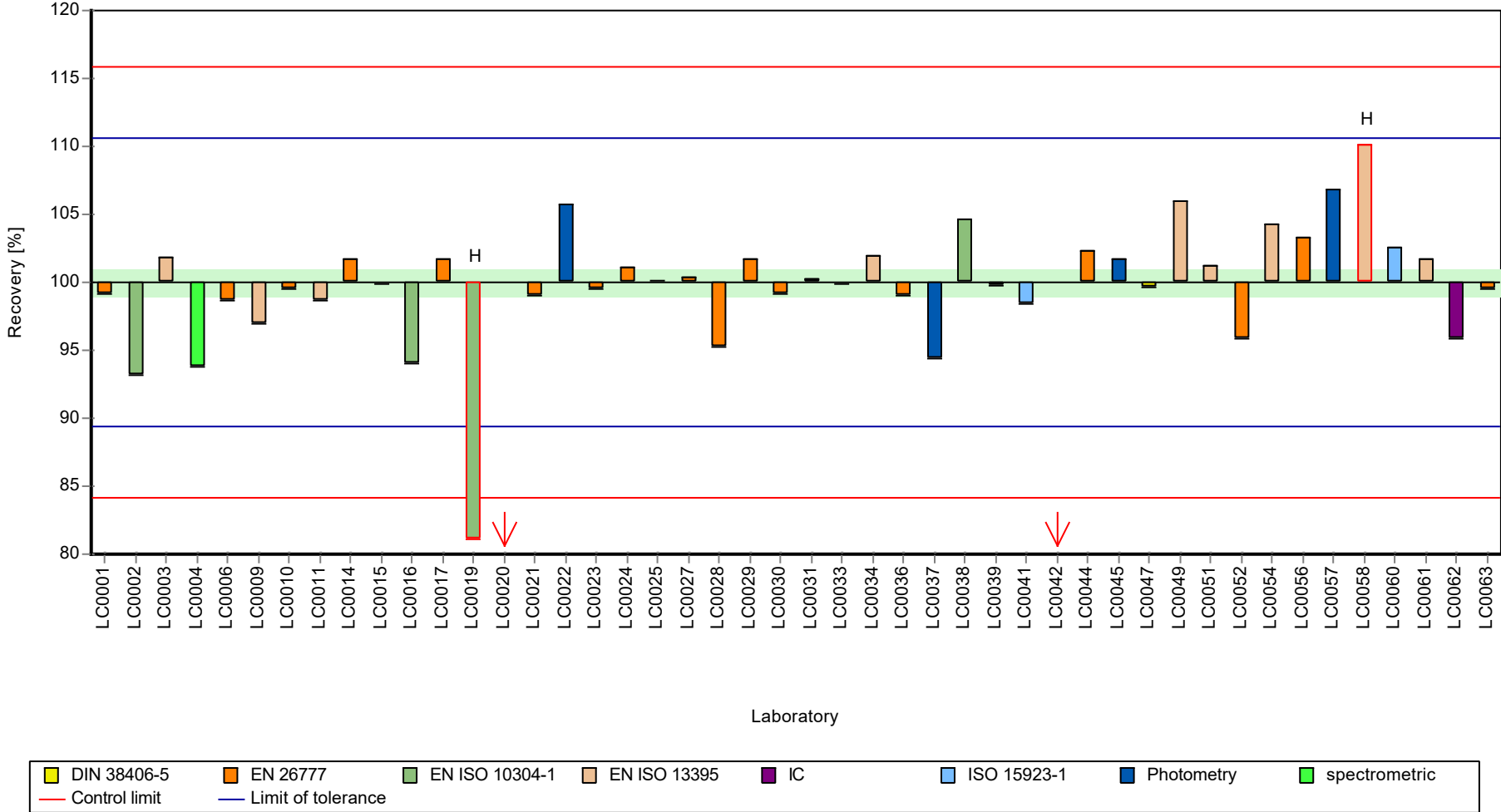
Graphical presentation of results
Results



Parameter oriented report Nutrients/Major Ions N175

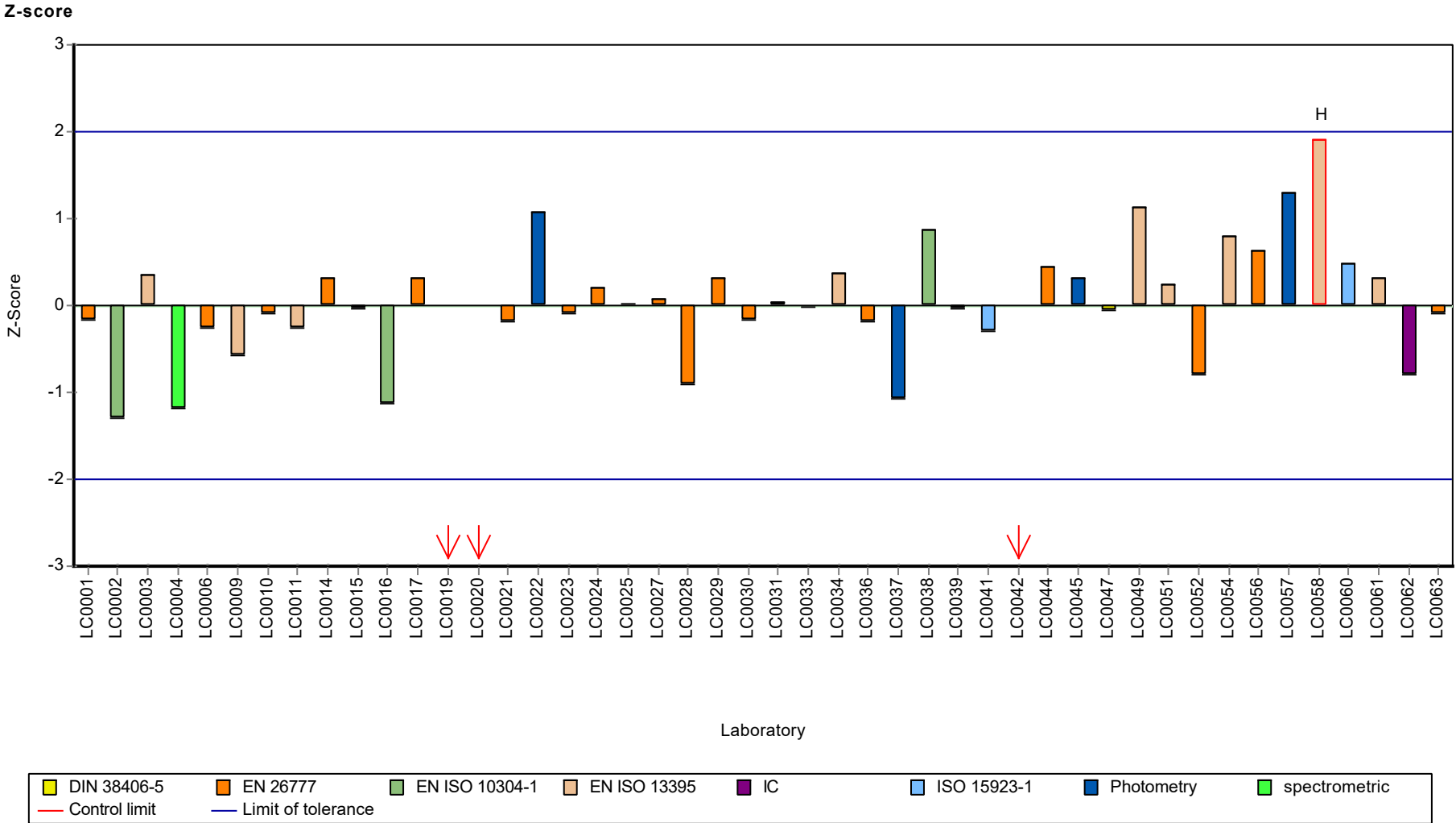
Sample: N175B, Parameter: Nitrite (as NO₂)

Recovery rate



Parameter oriented report Nutrients/Major Ions N175

Sample: N175B, Parameter: Nitrite (as NO2)



Parameter oriented report Nutrients/Major Ions N175

Sample: N175A, Parameter: Orthophosphate (as PO4)

Parameter oriented report

N175 A

Orthophosphate (as PO4)

Unit	mg/l
Assigned value ± U (k=2)	0.0866 ± 0.00442
Criterion	0.0121 (14 %)
Minimum - Maximum	0.0595 - 0.11
Control test value ± U (k=2)	0.0718 ± 0.0108

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.0959	0.007	111	0.77	
LC0002	0.0994	0.0103	115	1.06	
LC0003	0.0843	0.002	97.4	-0.19	
LC0004	0.0844	0.0099	97.5	-0.18	
LC0005	-	-	-	-	
LC0006	0.095	0.019	110	0.7	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.0854	0.00115	98.7	-0.1	
LC0010	0.0915	0.00314	106	0.41	
LC0011	0.0664	0.00516	76.7	-1.66	
LC0012	0.0961	0.0144	111	0.79	
LC0013	-	-	-	-	
LC0014	0.095	0.018	110	0.7	
LC0015	0.088	0.0132	102	0.12	
LC0016	< 1 (LOQ)	-	-	-	
LC0017	0.0858	0.0129	99.1	-0.06	
LC0018	-	-	-	-	
LC0019	< 0.12 (LOQ)	-	-	-	
LC0020	0.082	0.008	94.7	-0.38	
LC0021	0.095	0.02	110	0.7	
LC0022	0.0601	0.006	69.4	-2.18	
LC0023	0.09	0.004	104	0.28	
LC0024	0.0936	0.0063	108	0.58	
LC0025	0.089	0.009	103	0.2	
LC0026	-	-	-	-	
LC0027	-	-	-	-	
LC0028	0.0906	0.002	105	0.33	
LC0029	0.11	0.03	127	1.93	
LC0030	0.0877	0.00345	101	0.09	
LC0031	-	-	-	-	
LC0032	-	-	-	-	
LC0033	-	-	-	-	
LC0034	0.075	0.013	86.6	-0.95	
LC0035	-	-	-	-	
LC0036	0.074	0.0074	85.5	-1.04	
LC0037	0.08585	0.0103	99.2	-0.06	
LC0038	< 1 (LOQ)	-	-	-	
LC0039	0.1057	0.0106	122	1.58	
LC0040	-	-	-	-	

Parameter oriented report Nutrients/Major Ions N175 Sample: N175A, Parameter: Orthophosphate (as PO4)

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0041	0.0888	0.018	103	0.18	
LC0042	0.0595	0.008	68.7	-2.23	
LC0043	-	-	-	-	
LC0044	0.0957	0.0136	111	0.75	
LC0045	-	-	-	-	
LC0046	-	-	-	-	
LC0047	< 0.2 (LOQ)	-	-	-	
LC0048	-	-	-	-	
LC0049	0.0659	0.00989	76.1	-1.7	
LC0050	-	-	-	-	
LC0051	0.085	0.0068	98.2	-0.13	
LC0052	-	-	-	-	
LC0053	0.074	0.011	85.5	-1.04	
LC0054	0.092	0.0043	106	0.45	
LC0055	-	-	-	-	
LC0056	0.131	0.0199	151	3.67	H
LC0057	0.077	0.012	89	-0.79	
LC0058	0.0643	0.0127	74.3	-1.84	
LC0059	0.028	0.003	32.3	-4.83	H
LC0060	0.096	0.0096	111	0.78	
LC0061	< 0.095 (LOQ)	-	-	-	
LC0062	-	-	-	-	
LC0063	< 0.29 (LOQ)	-	-	-	

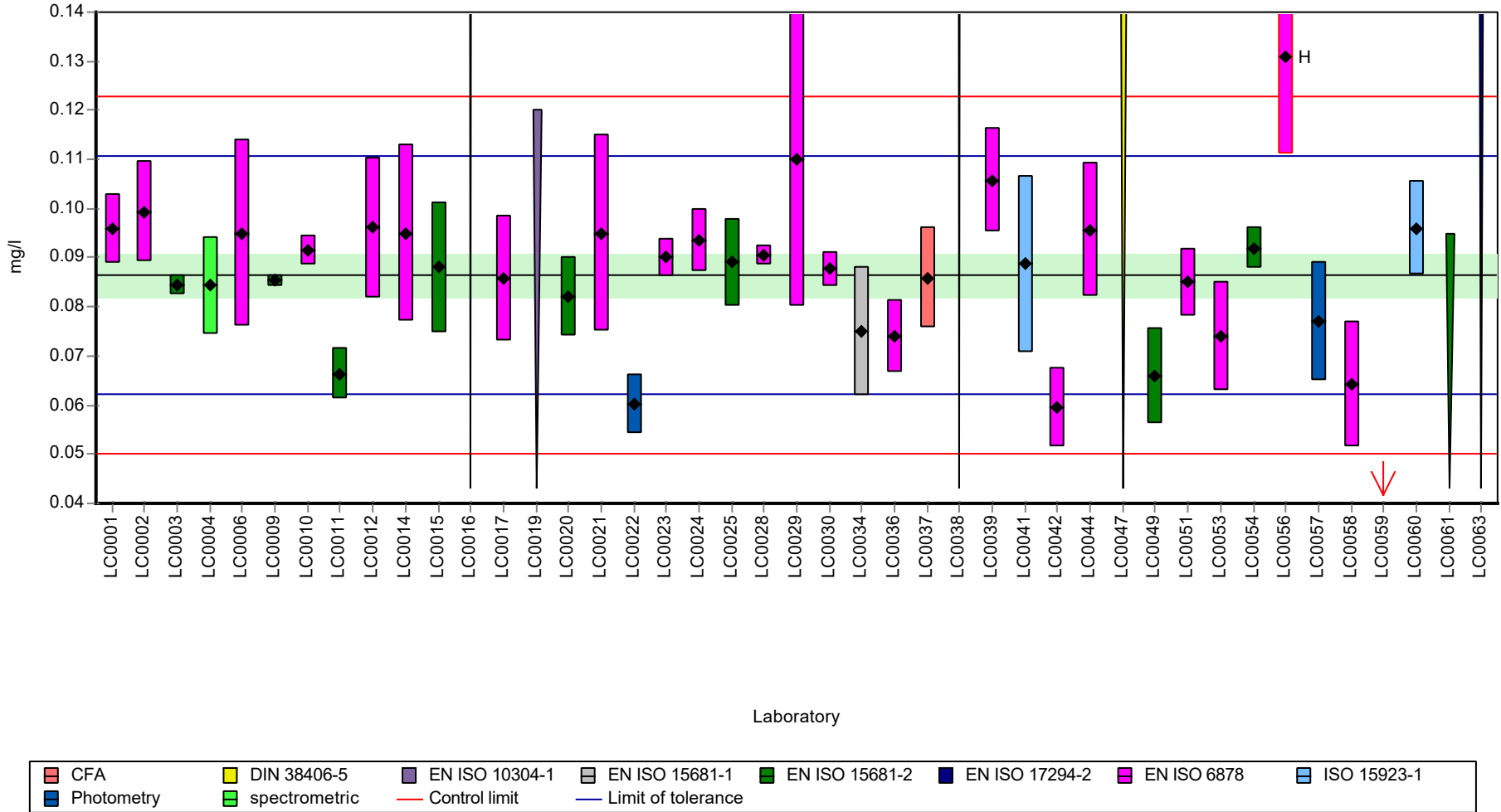
Characteristics of parameter

	all results	w without outliers	Unit
Mean ± CI (99%)	0.0855 ± 0.00842	0.0858 ± 0.00622	mg/l
Minimum	0.028	0.0595	mg/l
Maximum	0.131	0.11	mg/l
Standard deviation	0.0171	0.0123	mg/l
rel. standard deviation	20	14.3	%
n	37	35	-

Parameter oriented report Nutrients/Major Ions N175

Sample: N175A, Parameter: Orthophosphate (as PO₄)

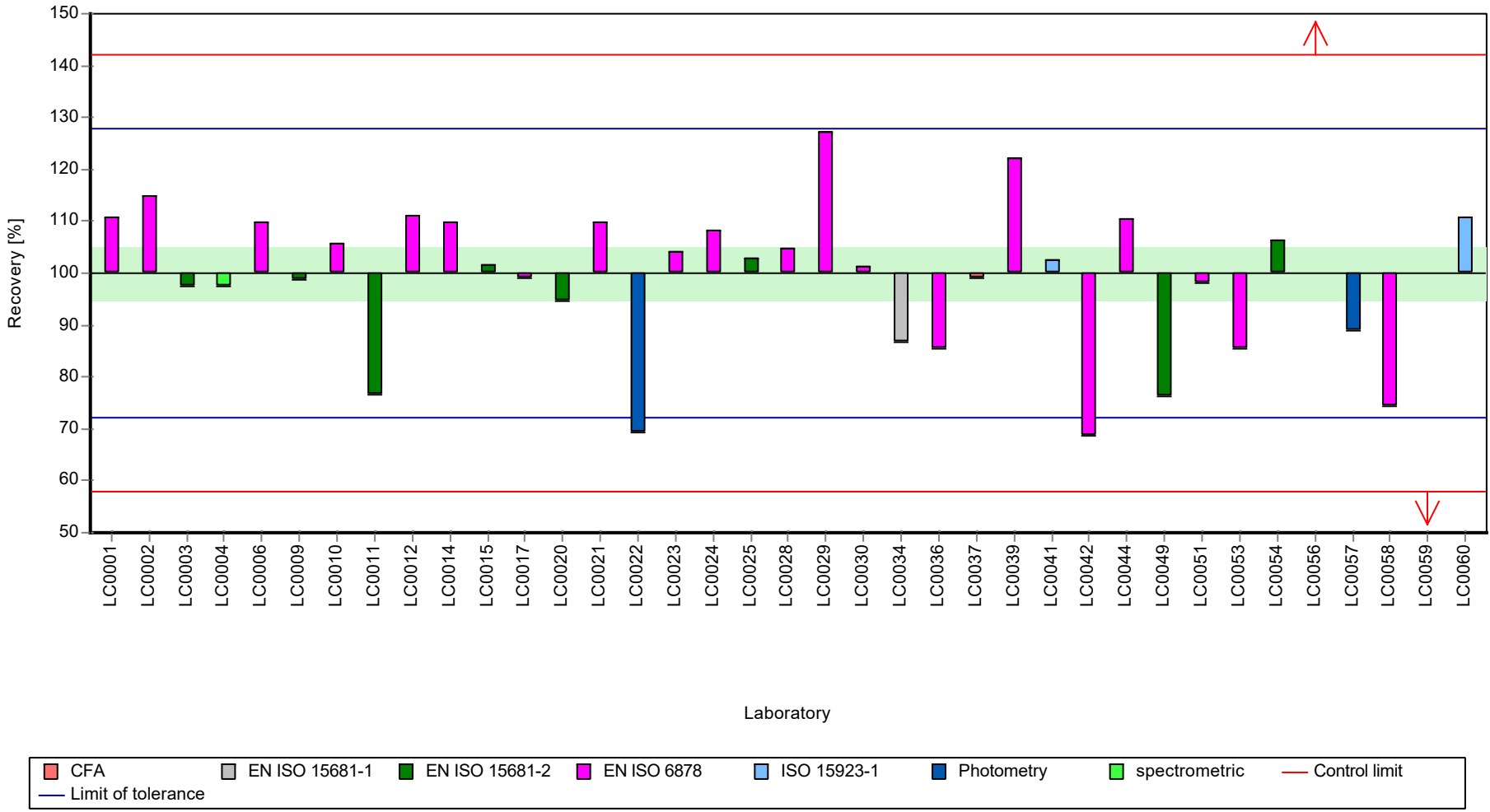
Graphical presentation of results
Results



Parameter oriented report Nutrients/Major Ions N175

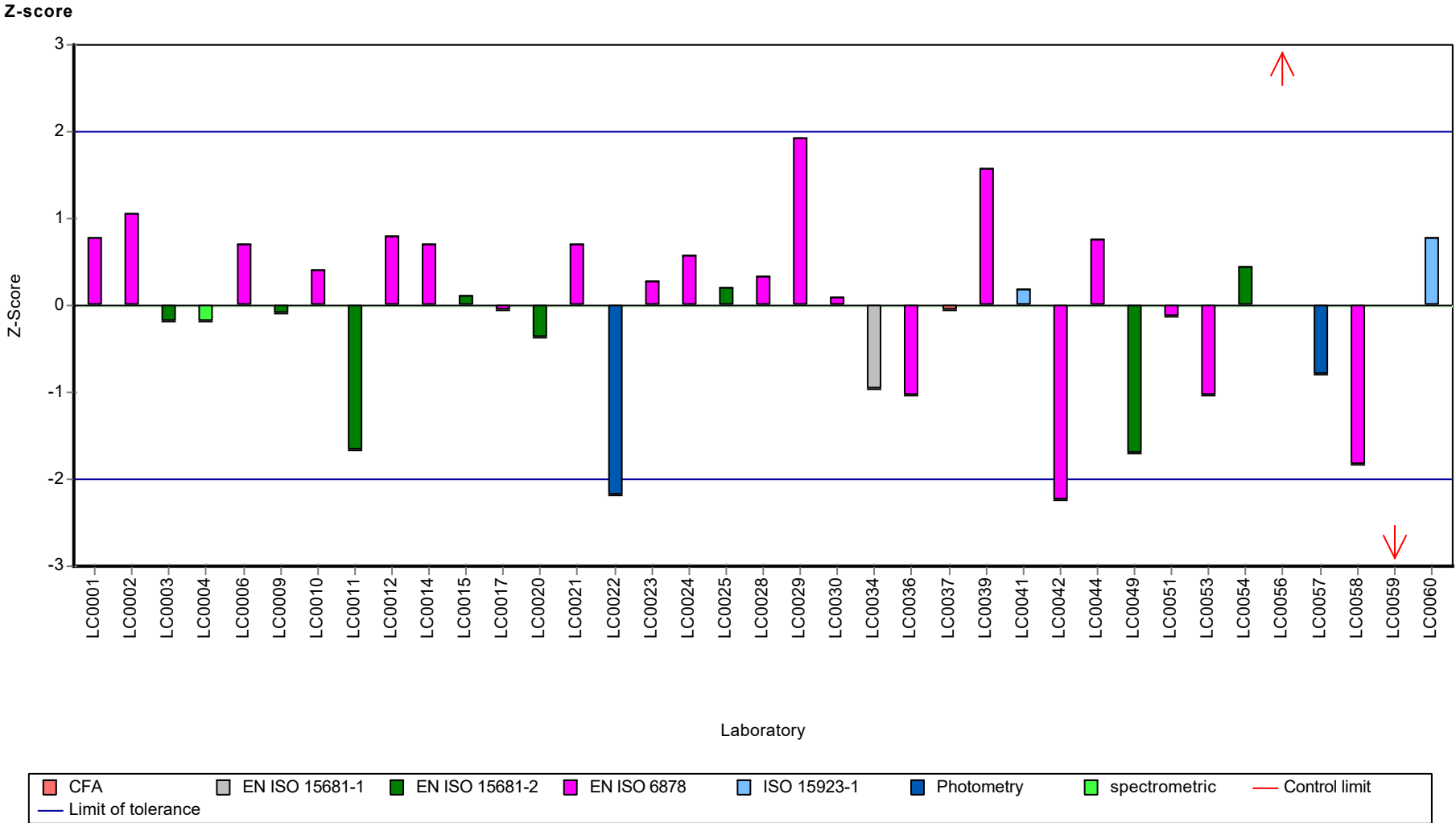
Sample: N175A, Parameter: Orthophosphate (as PO4)

Recovery rate



Parameter oriented report Nutrients/Major Ions N175

Sample: N175A, Parameter: Orthophosphate (as PO4)



Parameter oriented report Nutrients/Major Ions N175 Sample: N175B, Parameter: Orthophosphate (as PO4)

Parameter oriented report

N175 B

Orthophosphate (as PO4)

Unit mg/l
Assigned value ± U (k=2) 0.370 ± 0.0253
Criterion 0.0629 (17 %)
Minimum - Maximum 0.281 - 0.45
Control test value ± U (k=2) -

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.3973	0.028	107	0.43	
LC0002	0.406	0.042	110	0.57	
LC0003	0.383	0.001	103	0.2	
LC0004	0.395	0.046	107	0.39	
LC0005	-	-	-	-	
LC0006	0.407	0.08	110	0.58	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	0.379	0.00561	102	0.14	
LC0010	0.4	0.0173	108	0.47	
LC0011	0.331	0.0257	89.4	-0.62	
LC0012	0.406	0.0609	110	0.57	
LC0013	-	-	-	-	
LC0014	0.404	0.077	109	0.54	
LC0015	0.282	0.0423	76.2	-1.4	
LC0016	< 1 (LOQ)	-	-	-	
LC0017	0.391	0.059	106	0.33	
LC0018	-	-	-	-	
LC0019	< 0.12 (LOQ)	-	-	-	
LC0020	0.281	0.028	75.9	-1.42	
LC0021	0.415	0.083	112	0.71	
LC0022	0.058	0.0058	15.7	-4.96	H
LC0023	0.4	0.019	108	0.47	
LC0024	0.408	0.025	110	0.6	
LC0025	0.3	0.03	81	-1.12	
LC0026	-	-	-	-	
LC0027	-	-	-	-	
LC0028	0.4057	0.002	110	0.56	
LC0029	0.45	0.124	122	1.27	
LC0030	0.1905	0.00749	51.4	-2.86	H
LC0031	-	-	-	-	
LC0032	-	-	-	-	
LC0033	-	-	-	-	
LC0034	< 0.015 (LOQ)	-	-	-	FN
LC0035	-	-	-	-	
LC0036	0.319	0.0319	86.2	-0.81	
LC0037	0.38018	0.04562	103	0.16	
LC0038	< 1 (LOQ)	-	-	-	
LC0039	0.377	0.0377	102	0.11	
LC0040	-	-	-	-	

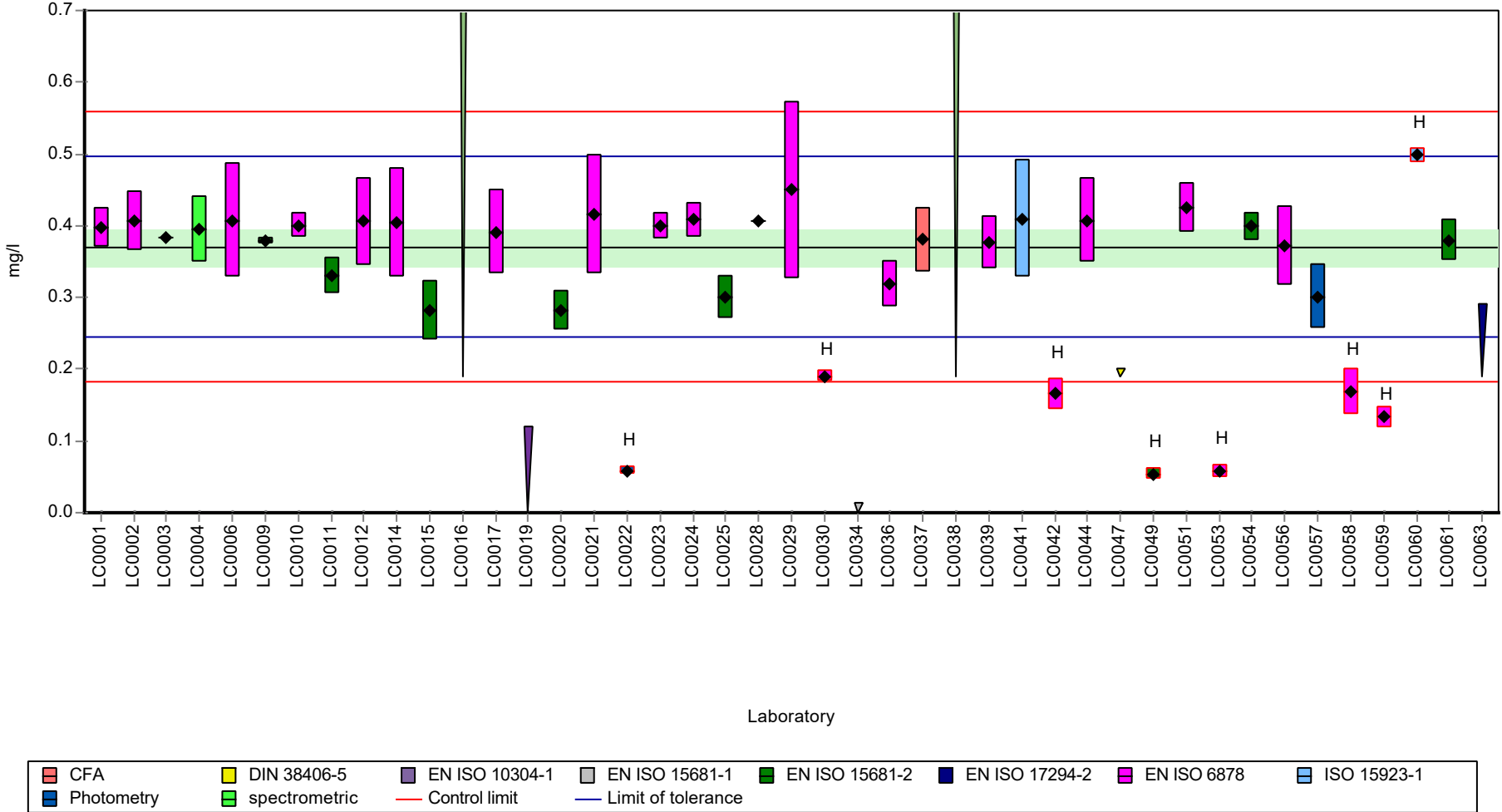
Parameter oriented report Nutrients/Major Ions N175 Sample: N175B, Parameter: Orthophosphate (as PO4)

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0041	0.409	0.082	110	0.62	
LC0042	0.166	0.022	44.8	-3.25	H
LC0043	-	-	-	-	
LC0044	0.4075	0.0581	110	0.59	
LC0045	-	-	-	-	
LC0046	-	-	-	-	
LC0047	< 0.2 (LOQ)	-	-	-	FN
LC0048	-	-	-	-	
LC0049	0.0537	0.0081	14.5	-5.03	H
LC0050	-	-	-	-	
LC0051	0.425	0.034	115	0.87	
LC0052	-	-	-	-	
LC0053	0.058	0.01	15.7	-4.96	H
LC0054	0.399	0.019	108	0.46	
LC0055	-	-	-	-	
LC0056	0.372	0.0564	100	0.03	
LC0057	0.301	0.045	81.3	-1.1	
LC0058	0.169	0.033	45.6	-3.2	H
LC0059	0.133	0.015	35.9	-3.77	H
LC0060	0.498	0.0096	134	2.03	H
LC0061	0.38	0.0289	103	0.15	
LC0062	-	-	-	-	
LC0063	< 0.29 (LOQ)	-	-	-	

Characteristics of parameter

	all results	w without outliers	Unit
Mean ± CI (99%)	0.333 ± 0.0575	0.38 ± 0.0244	mg/l
Minimum	0.0537	0.281	mg/l
Maximum	0.498	0.45	mg/l
Standard deviation	0.117	0.0439	mg/l
rel. standard deviation	34.9	11.6	%
n	37	29	-

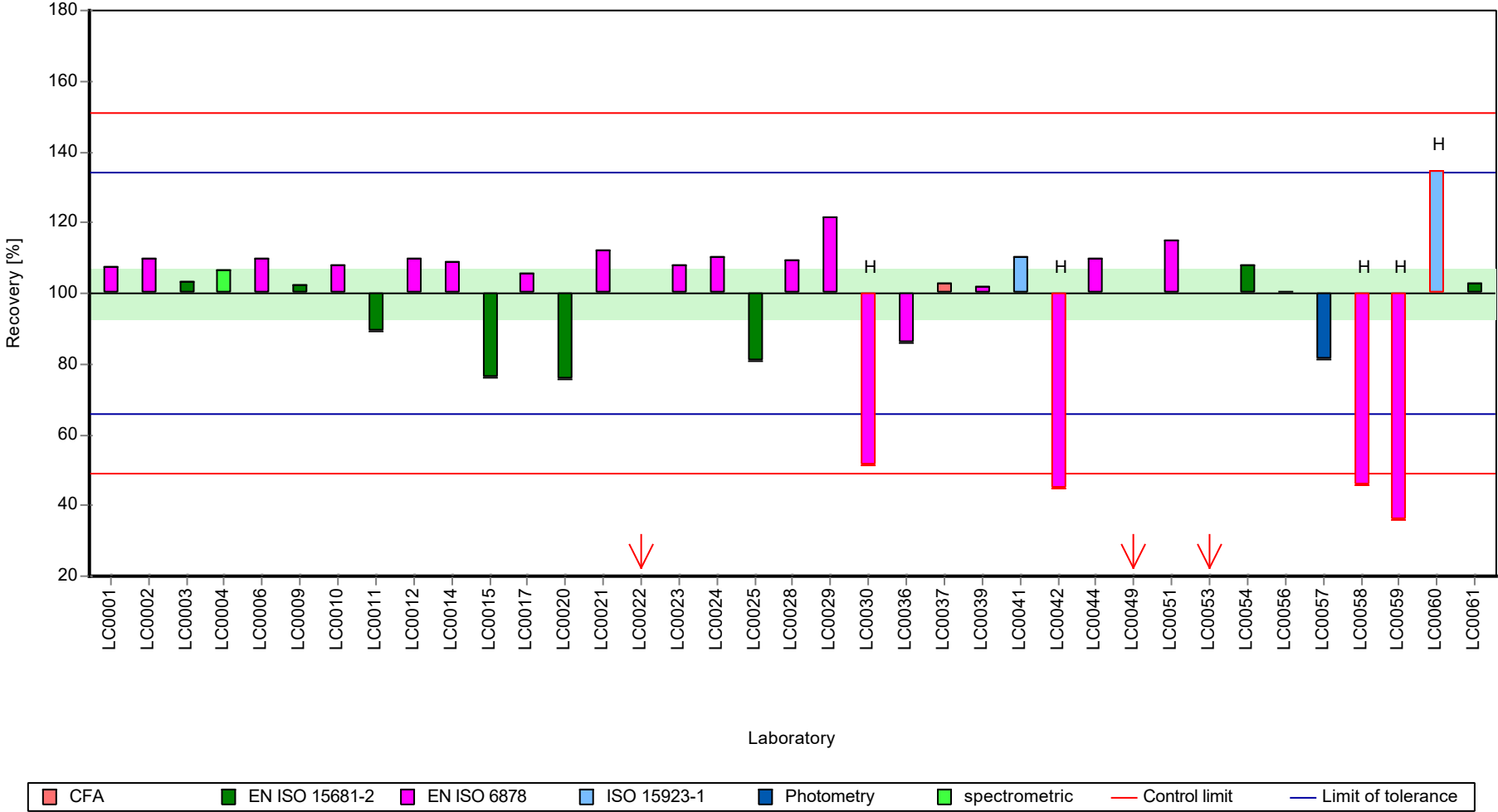
Graphical presentation of results
 Results



Parameter oriented report Nutrients/Major Ions N175

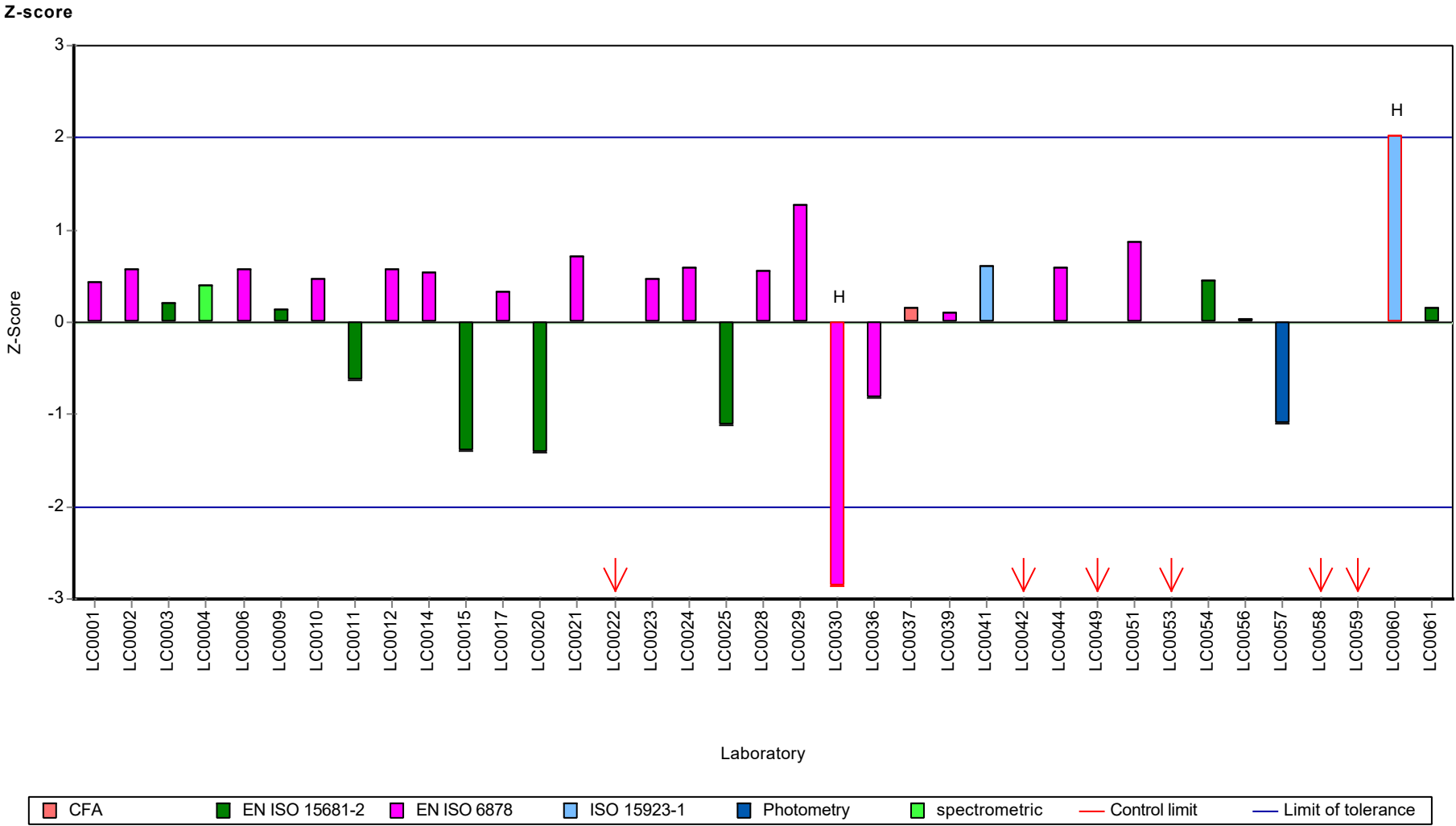
Sample: N175B, Parameter: Orthophosphate (as PO4)

Recovery rate



Parameter oriented report Nutrients/Major Ions N175

Sample: N175B, Parameter: Orthophosphate (as PO4)



Parameter oriented report Nutrients/Major Ions N175

Sample: N175A, Parameter: pH-value

Parameter oriented report

N175 A

pH-value

Unit -
Assigned value \pm U (k=2) 7.54 \pm 0.0389
Criterion 0.151 (2 %)
Minimum - Maximum 7.2 - 7.9
Control test value \pm U (k=2) 7.57 \pm 0.1

Labcode	Result	\pm U	Recovery [%]	z-score	Comments
LC0001	7.73	0.1	103	1.25	
LC0002	7.49	0.27	99.3	-0.34	
LC0003	7.67	0.06	102	0.85	
LC0004	7.53	0.01	99.9	-0.07	
LC0005	7.31	0.11	96.9	-1.53	
LC0006	7.48	0.3	99.2	-0.41	
LC0007	7.51	0.1	99.6	-0.21	
LC0008	7.43	0.14	98.5	-0.74	
LC0009	7.71	0.0771	102	1.12	
LC0010	7.61	0.0381	101	0.46	
LC0011	7.73	0.004	103	1.25	
LC0012	-	-	-	-	
LC0013	7.42	0.02	98.4	-0.8	
LC0014	7.4	0.2	98.1	-0.94	
LC0015	7.355	0.37	97.5	-1.24	
LC0016	7.68	0.09	102	0.92	
LC0017	7.64	1.15	101	0.65	
LC0018	7.48	0.001	99.2	-0.41	
LC0019	-	-	-	-	
LC0020	7.45	0.2	98.8	-0.61	
LC0021	7.46	0.1	98.9	-0.54	
LC0022	7.74	0.1	103	1.32	
LC0023	7.46	0.015	98.9	-0.54	
LC0024	7.58	0.095	101	0.26	
LC0025	7.51	0.19	99.6	-0.21	
LC0026	-	-	-	-	
LC0027	7.51	0.12	99.6	-0.21	
LC0028	7.655	0.05	102	0.75	
LC0029	7.9	0.1	105	2.38	
LC0030	7.68	0.024	102	0.92	
LC0031	7.56	0.05	100	0.12	
LC0032	7.79	0.23	103	1.65	
LC0033	7.59	0.3	101	0.32	
LC0034	7.5	0.75	99.5	-0.27	
LC0035	-	-	-	-	
LC0036	7.4	0.15	98.1	-0.94	
LC0037	7.66	0.25	102	0.79	
LC0038	7.52	0.2	99.7	-0.14	
LC0039	7.83	0.12	104	1.91	
LC0040	7.45	0.11	98.8	-0.61	

Parameter oriented report Nutrients/Major Ions N175

Sample: N175A, Parameter: pH-value

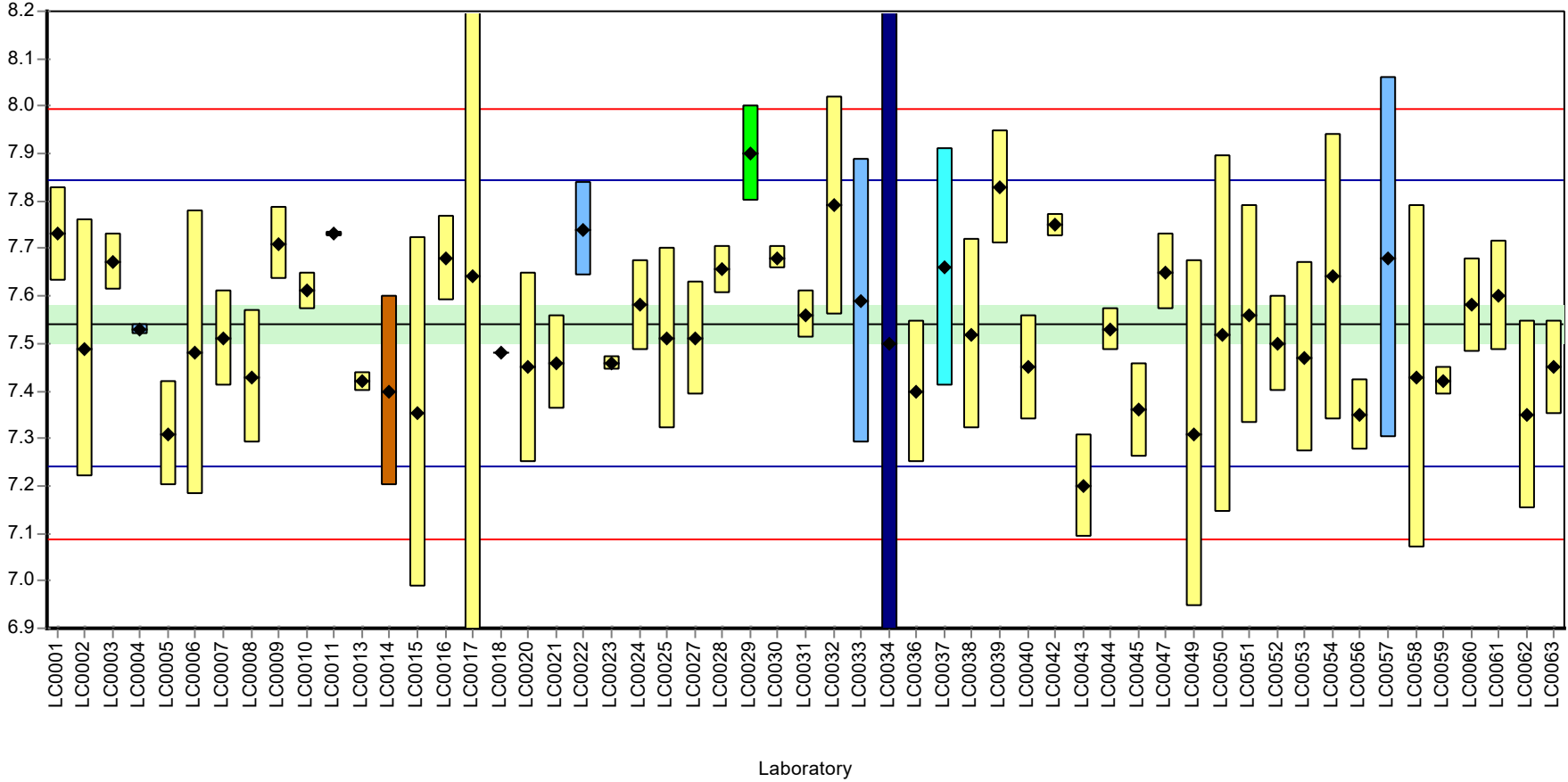
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0041	-	-	-	-	
LC0042	7.75	0.024	103	1.38	
LC0043	7.2	0.11	95.5	-2.26	
LC0044	7.53	0.0452	99.9	-0.07	
LC0045	7.36	0.09936	97.6	-1.2	
LC0046	-	-	-	-	
LC0047	7.65	0.08	101	0.72	
LC0048	-	-	-	-	
LC0049	7.31	0.365	96.9	-1.53	
LC0050	7.52	0.376	99.7	-0.14	
LC0051	7.56	0.23	100	0.12	
LC0052	7.5	0.1	99.5	-0.27	
LC0053	7.47	0.2	99.1	-0.47	
LC0054	7.64	0.3	101	0.65	
LC0055	-	-	-	-	
LC0056	7.35	0.076	97.5	-1.27	
LC0057	7.68	0.38	102	0.92	
LC0058	7.43	0.36	98.5	-0.74	
LC0059	7.42	0.03	98.4	-0.8	
LC0060	7.58	0.1	101	0.26	
LC0061	7.6	0.116	101	0.39	
LC0062	7.35	0.2	97.5	-1.27	
LC0063	7.45	0.1	98.8	-0.61	

Characteristics of parameter

	all results	w without outliers	Unit
Mean ± CI (99%)	7.54 ± 0.0583	7.54 ± 0.0583	-
Minimum	7.2	7.2	-
Maximum	7.9	7.9	-
Standard deviation	0.144	0.144	-
rel. standard deviation	1.91	1.91	%
n	55	55	-

Graphical presentation of results

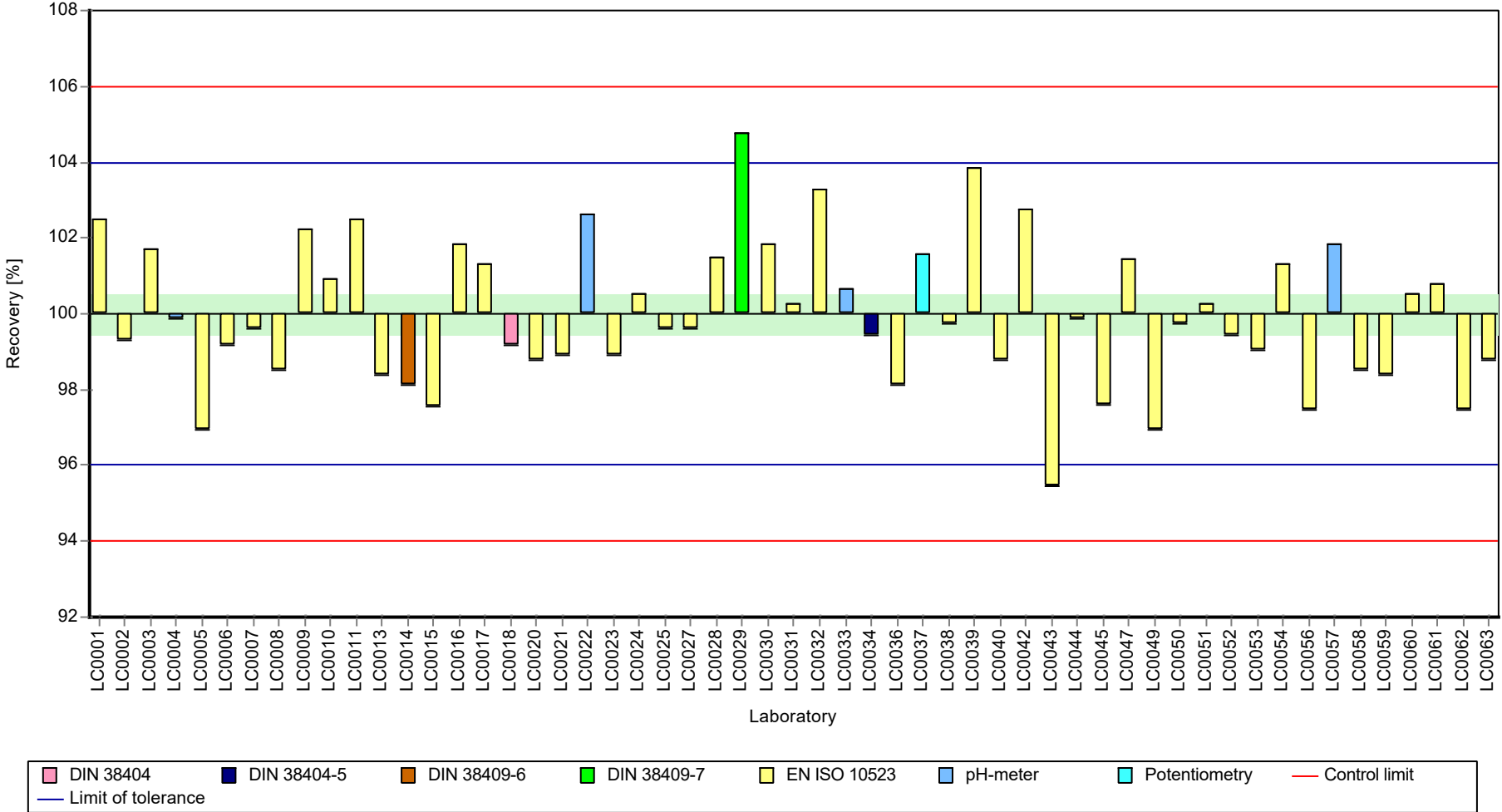
Results



Parameter oriented report Nutrients/Major Ions N175

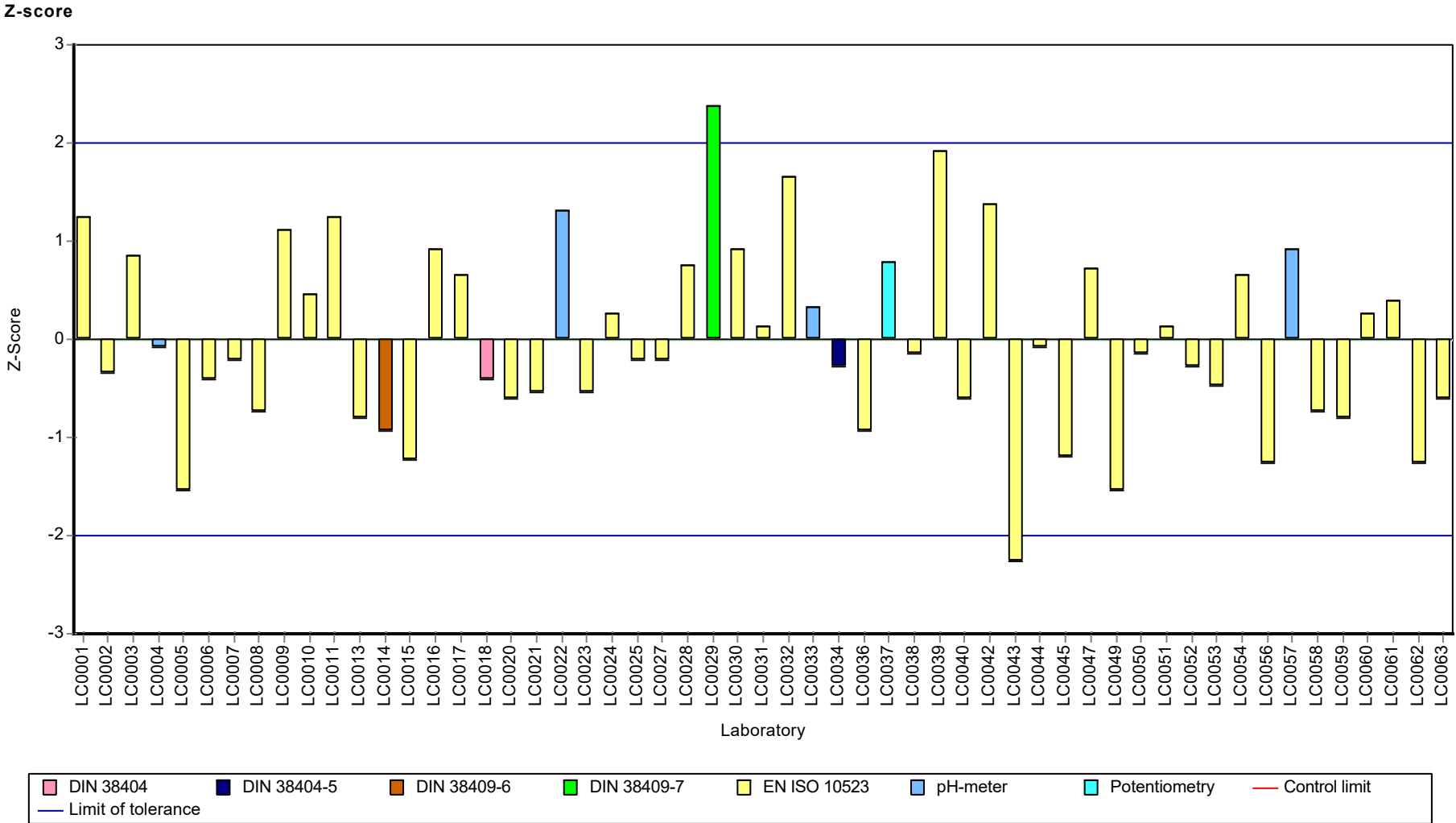
Sample: N175A, Parameter: pH-value

Recovery rate



Parameter oriented report Nutrients/Major Ions N175

Sample: N175A, Parameter: pH-value



Parameter oriented report Nutrients/Major Ions N175

Sample: N175B, Parameter: pH-value

Parameter oriented report

N175 B

pH-value

Unit	-
Assigned value ± U (k=2)	7.63 ± 0.0362
Criterion	0.153 (2 %)
Minimum - Maximum	7.34 - 7.97
Control test value ± U (k=2)	7.70 ± 0.100

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	7.51	0.1	98.4	-0.8	
LC0002	7.5	0.27	98.3	-0.87	
LC0003	7.68	0.006	101	0.31	
LC0004	7.76	0.01	102	0.83	
LC0005	7.45	0.11	97.6	-1.2	
LC0006	7.56	0.4	99	-0.48	
LC0007	7.59	0.1	99.4	-0.28	
LC0008	7.51	0.14	98.4	-0.8	
LC0009	7.82	0.0782	102	1.23	
LC0010	7.68	0.0384	101	0.31	
LC0011	7.76	0.004	102	0.83	
LC0012	-	-	-	-	
LC0013	7.54	0.032	98.8	-0.61	
LC0014	7.4	0.2	97	-1.52	
LC0015	7.52	0.376	98.5	-0.74	
LC0016	7.73	0.09	101	0.64	
LC0017	7.67	1.15	100	0.24	
LC0018	7.62	0.001	99.8	-0.08	
LC0019	-	-	-	-	
LC0020	7.5	0.2	98.3	-0.87	
LC0021	7.57	0.1	99.2	-0.41	
LC0022	7.74	0.1	101	0.7	
LC0023	7.57	0.016	99.2	-0.41	
LC0024	7.82	0.1	102	1.23	
LC0025	7.66	0.19	100	0.18	
LC0026	-	-	-	-	
LC0027	7.65	0.12	100	0.11	
LC0028	7.69	0.05	101	0.38	
LC0029	7.9	0.1	104	1.75	
LC0030	7.69	0.024	101	0.38	
LC0031	7.6	0.05	99.6	-0.21	
LC0032	7.89	0.24	103	1.69	
LC0033	7.69	0.31	101	0.38	
LC0034	7.57	0.757	99.2	-0.41	
LC0035	-	-	-	-	
LC0036	7.5	0.15	98.3	-0.87	
LC0037	7.73	0.25	101	0.64	
LC0038	-	-	-	-	
LC0039	7.97	0.122	104	2.21	
LC0040	7.2	0.11	94.3	-2.83	H

Parameter oriented report Nutrients/Major Ions N175

Sample: N175B, Parameter: pH-value

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0041	-	-	-	-	
LC0042	7.71	0.024	101	0.51	
LC0043	7	0.11	91.7	-4.14	H
LC0044	7.64	0.0458	100	0.05	
LC0045	7.57	0.1022	99.2	-0.41	
LC0046	-	-	-	-	
LC0047	7.67	0.08	100	0.24	
LC0048	-	-	-	-	
LC0049	7.34	0.367	96.2	-1.92	
LC0050	7.71	0.386	101	0.51	
LC0051	7.69	0.23	101	0.38	
LC0052	7.6	0.1	99.6	-0.21	
LC0053	7.67	0.2	100	0.24	
LC0054	7.69	0.3	101	0.38	
LC0055	-	-	-	-	
LC0056	7.46	0.076	97.7	-1.13	
LC0057	7.76	0.39	102	0.83	
LC0058	7.55	0.37	98.9	-0.54	
LC0059	7.52	0.03	98.5	-0.74	
LC0060	7.73	0.1	101	0.64	
LC0061	7.65	0.116	100	0.11	
LC0062	7.41	0.2	97.1	-1.46	
LC0063	7.49	0.1	98.1	-0.93	

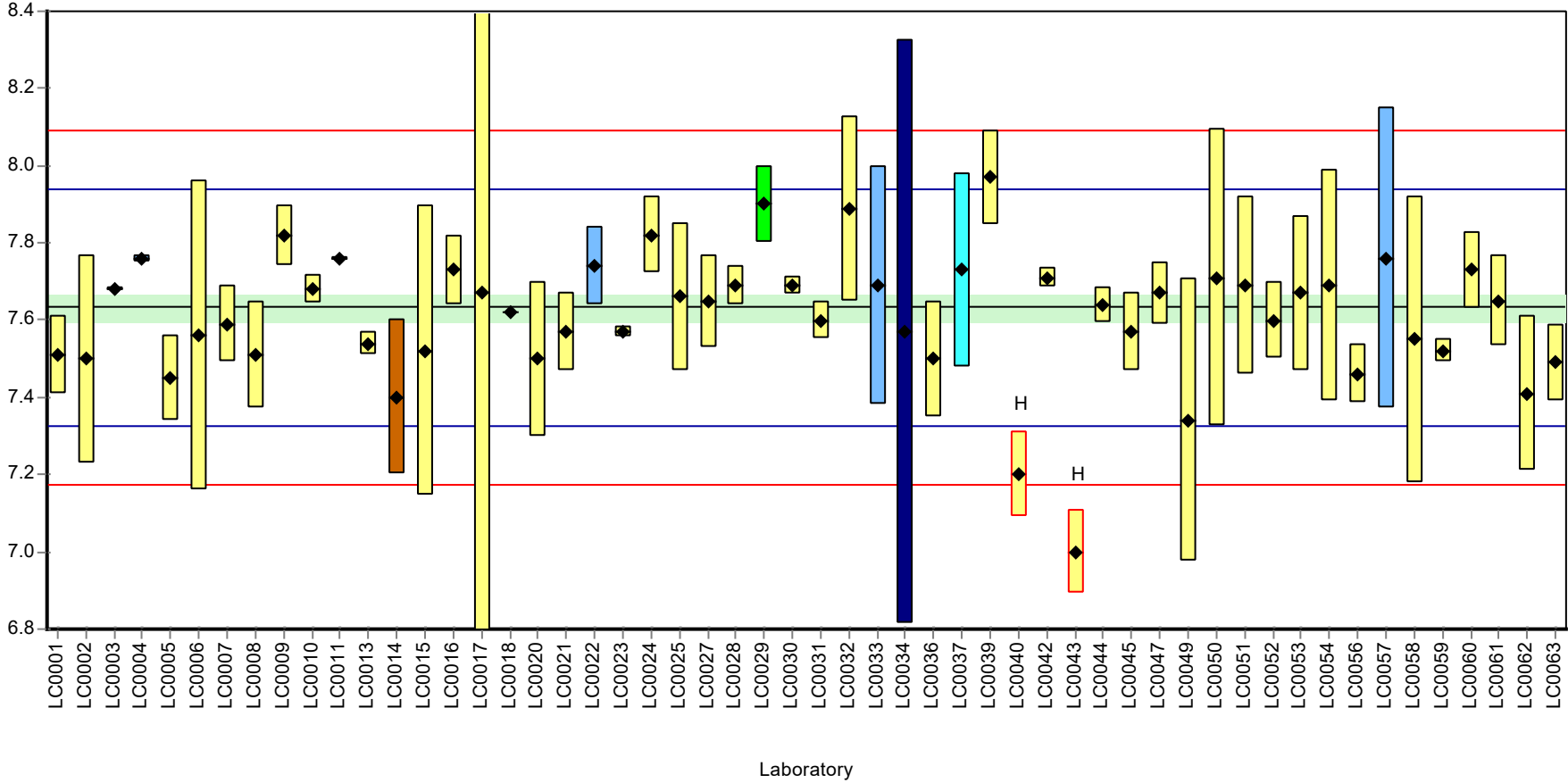
Characteristics of parameter

	all results	w without outliers	Unit
Mean ± CI (99%)	7.61 ± 0.0672	7.63 ± 0.0543	-
Minimum	7	7.34	-
Maximum	7.97	7.97	-
Standard deviation	0.165	0.131	-
rel. standard deviation	2.16	1.71	%
n	54	52	-

Parameter oriented report Nutrients/Major Ions N175

Sample: N175B, Parameter: pH-value

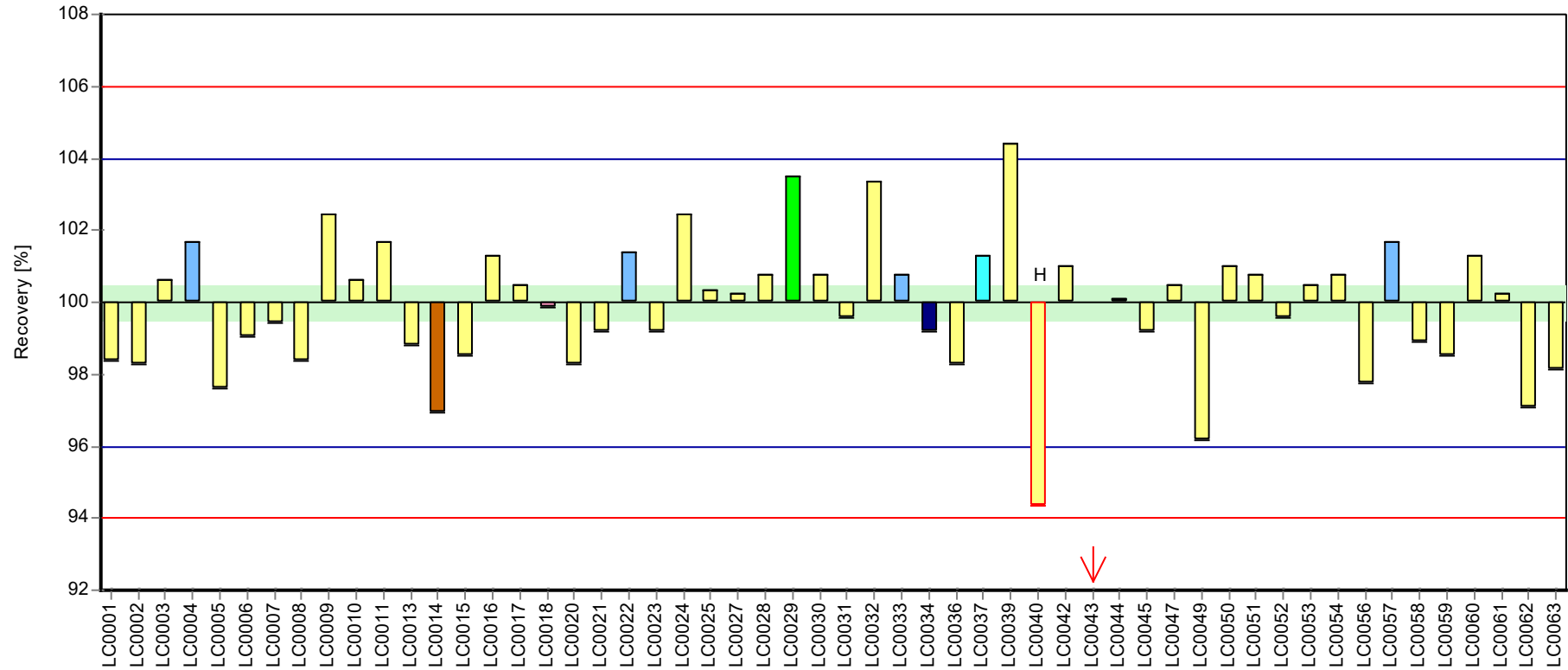
Graphical presentation of results
Results



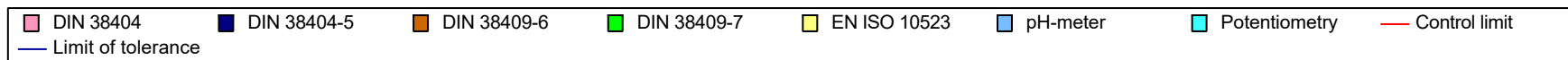
Parameter oriented report Nutrients/Major Ions N175

Sample: N175B, Parameter: pH-value

Recovery rate

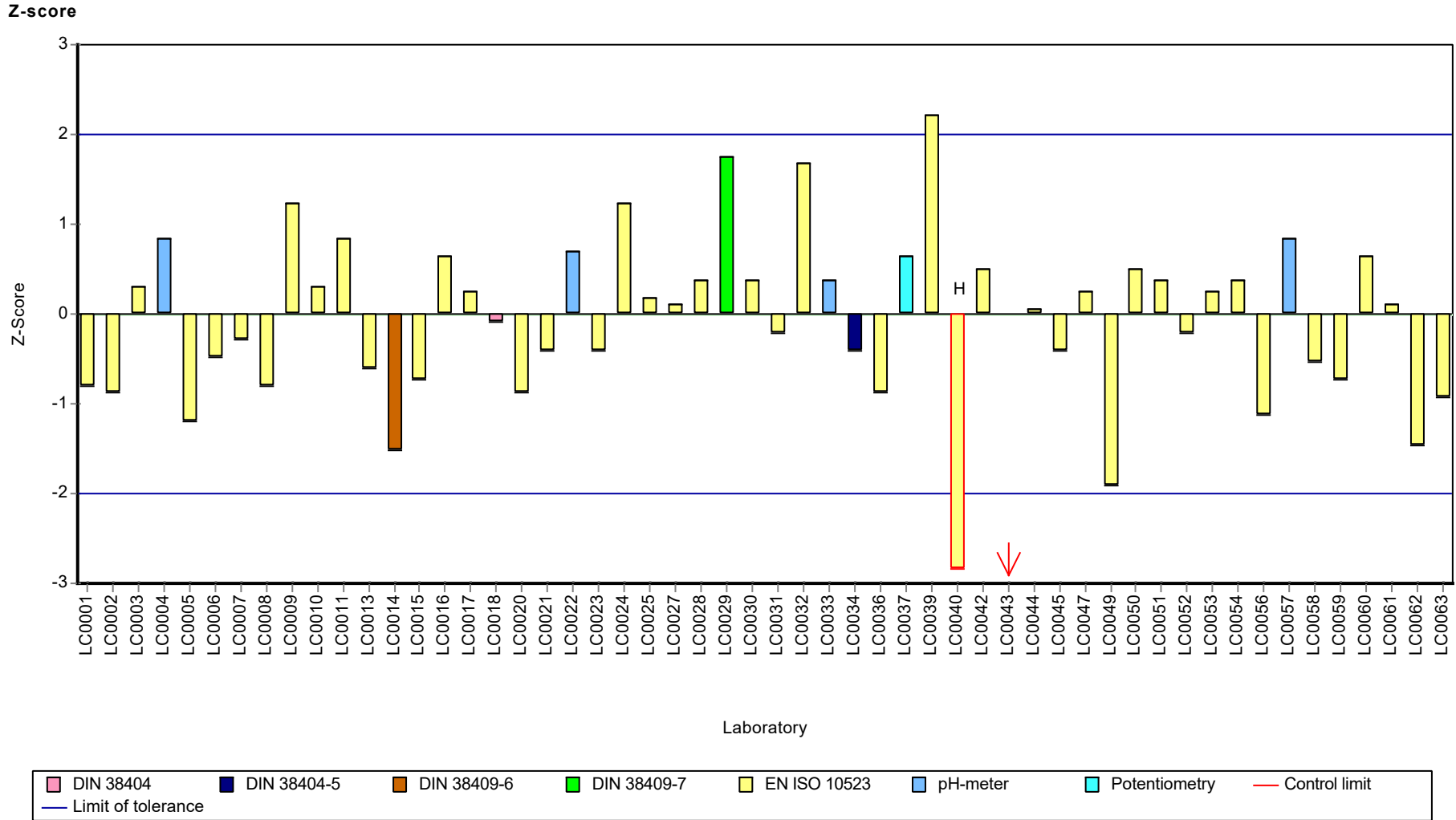


Laboratory



Parameter oriented report Nutrients/Major Ions N175

Sample: N175B, Parameter: pH-value



Parameter oriented report Nutrients/Major Ions N175

Sample: N175A, Parameter: Sulfate (as SO₄)

Parameter oriented report

N175 A

Sulfate (as SO₄)

Unit	mg/l
Assigned value ± U (k=2)	106 ± 0.909
Criterion	3.49 (3.3 %)
Minimum - Maximum	99.5 - 112
Control test value ± U (k=2)	114.0 ± 11.4

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	106.61	11	101	0.22	
LC0002	106	6	100	0.05	
LC0003	105	1.5	99.2	-0.24	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	109	8	103	0.91	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	109	1.43	103	0.91	
LC0010	106.7	2.086	101	0.25	
LC0011	104	6.1	98.3	-0.53	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	114	7	108	2.34	H
LC0015	109.5	16.43	103	1.05	
LC0016	105	7.1	99.2	-0.24	
LC0017	108.13	16.22	102	0.66	
LC0018	-	-	-	-	
LC0019	100	7	94.5	-1.67	
LC0020	106	11	100	0.05	
LC0021	108	16.2	102	0.62	
LC0022	112.2	5.6	106	1.82	
LC0023	107	5.14	101	0.33	
LC0024	104	4.1	98.3	-0.53	
LC0025	108.479	9.33	102	0.76	
LC0026	-	-	-	-	
LC0027	106.5	2.98	101	0.19	
LC0028	105.8	2	100	-0.01	
LC0029	114.7	7.4	108	2.54	H
LC0030	107.7	2.47	102	0.53	
LC0031	-	-	-	-	
LC0032	-	-	-	-	
LC0033	106.71	5.34	101	0.25	
LC0034	106.575	6.49	101	0.21	
LC0035	-	-	-	-	
LC0036	105	21	99.2	-0.24	
LC0037	106.38	3.1914	101	0.16	
LC0038	99.5	10	94	-1.81	
LC0039	101.705	10.17	96.1	-1.18	
LC0040	-	-	-	-	

Parameter oriented report Nutrients/Major Ions N175

Sample: N175A, Parameter: Sulfate (as SO4)

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0041	107	21	101	0.33	
LC0042	111	1.2	105	1.48	
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	100	3.86	94.5	-1.67	
LC0046	-	-	-	-	
LC0047	105.71	10	99.9	-0.04	
LC0048	107	5.35	101	0.33	
LC0049	99	9.9	93.5	-1.96	H
LC0050	-	-	-	-	
LC0051	106	17	100	0.05	
LC0052	107	9	101	0.33	
LC0053	105	13.6	99.2	-0.24	
LC0054	104	6	98.3	-0.53	
LC0055	-	-	-	-	
LC0056	102.06	9.48137	96.4	-1.08	
LC0057	104	7.8	98.3	-0.53	
LC0058	100	7.5	94.5	-1.67	
LC0059	-	-	-	-	
LC0060	105	5.25	99.2	-0.24	
LC0061	105	8.96	99.2	-0.24	
LC0062	119.5	12	113	3.91	H
LC0063	110	5	104	1.19	

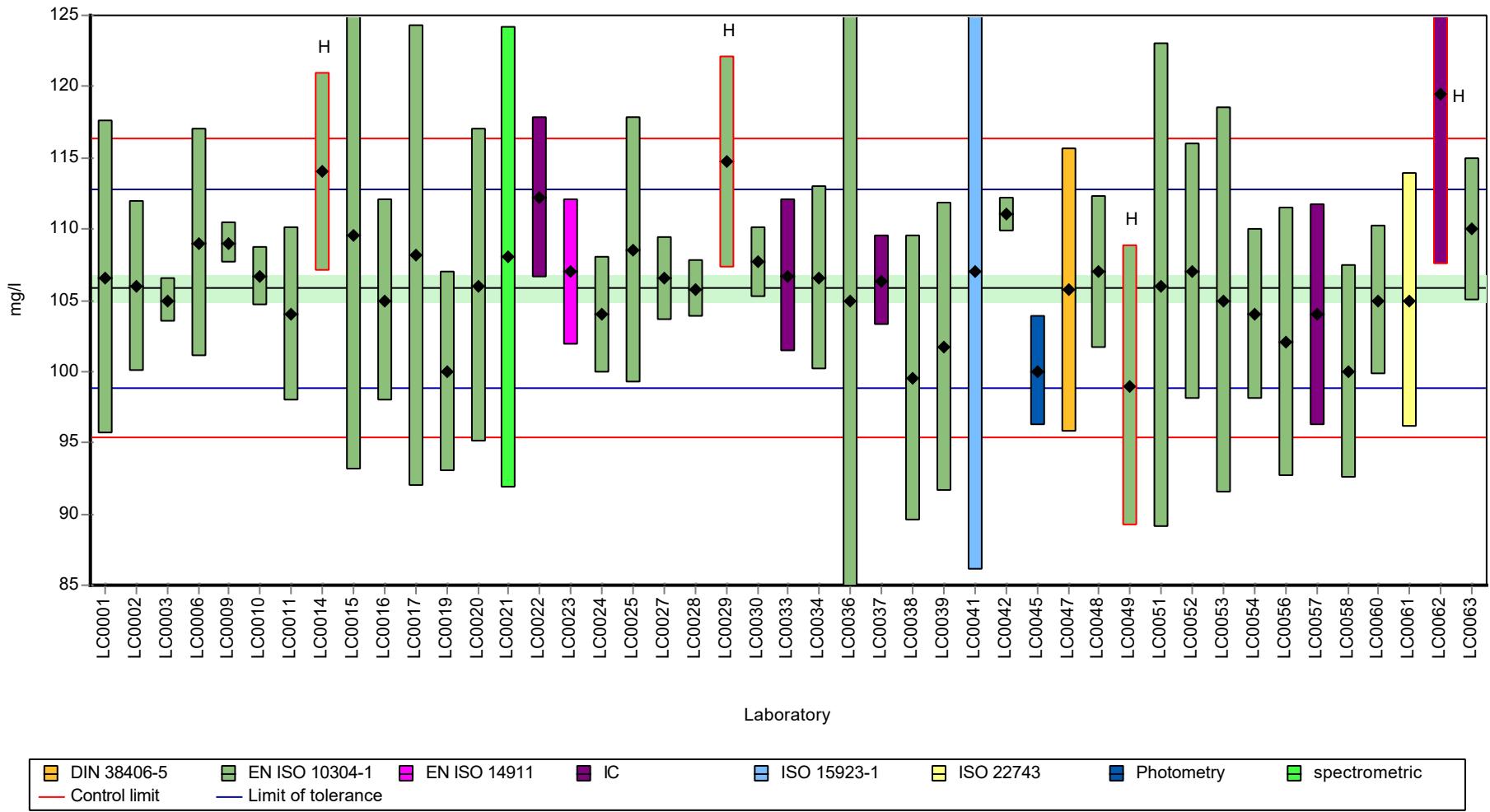
Characteristics of parameter

	all results	w without outliers	Unit
Mean ± CI (99%)	106 ± 1.79	106 ± 1.36	mg/l
Minimum	99	99.5	mg/l
Maximum	120	112	mg/l
Standard deviation	4	2.91	mg/l
rel. standard deviation	3.76	2.75	%
n	45	41	-

Parameter oriented report Nutrients/Major Ions N175

Sample: N175A, Parameter: Sulfate (as SO₄)

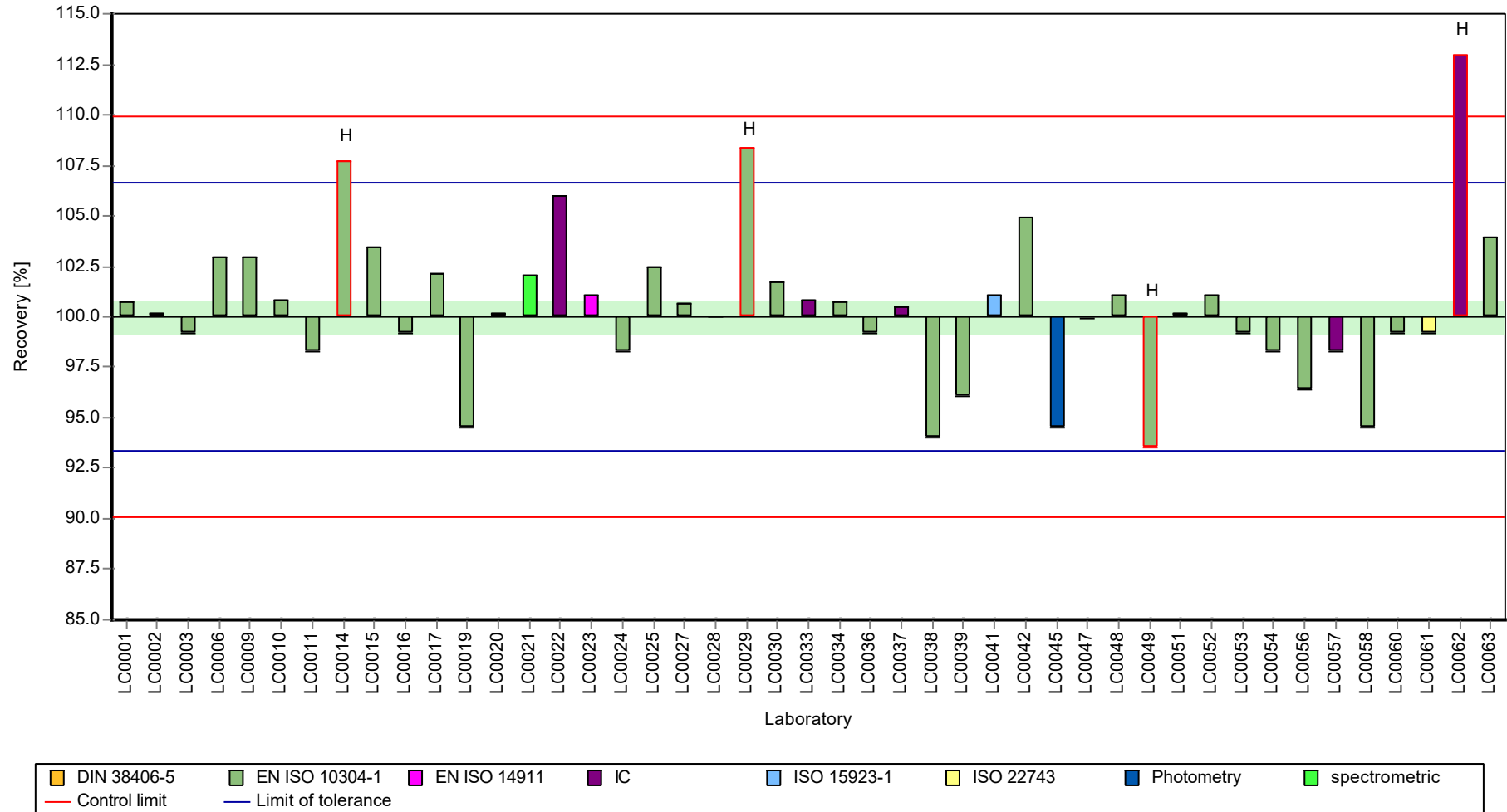
Graphical presentation of results
Results



Parameter oriented report Nutrients/Major Ions N175

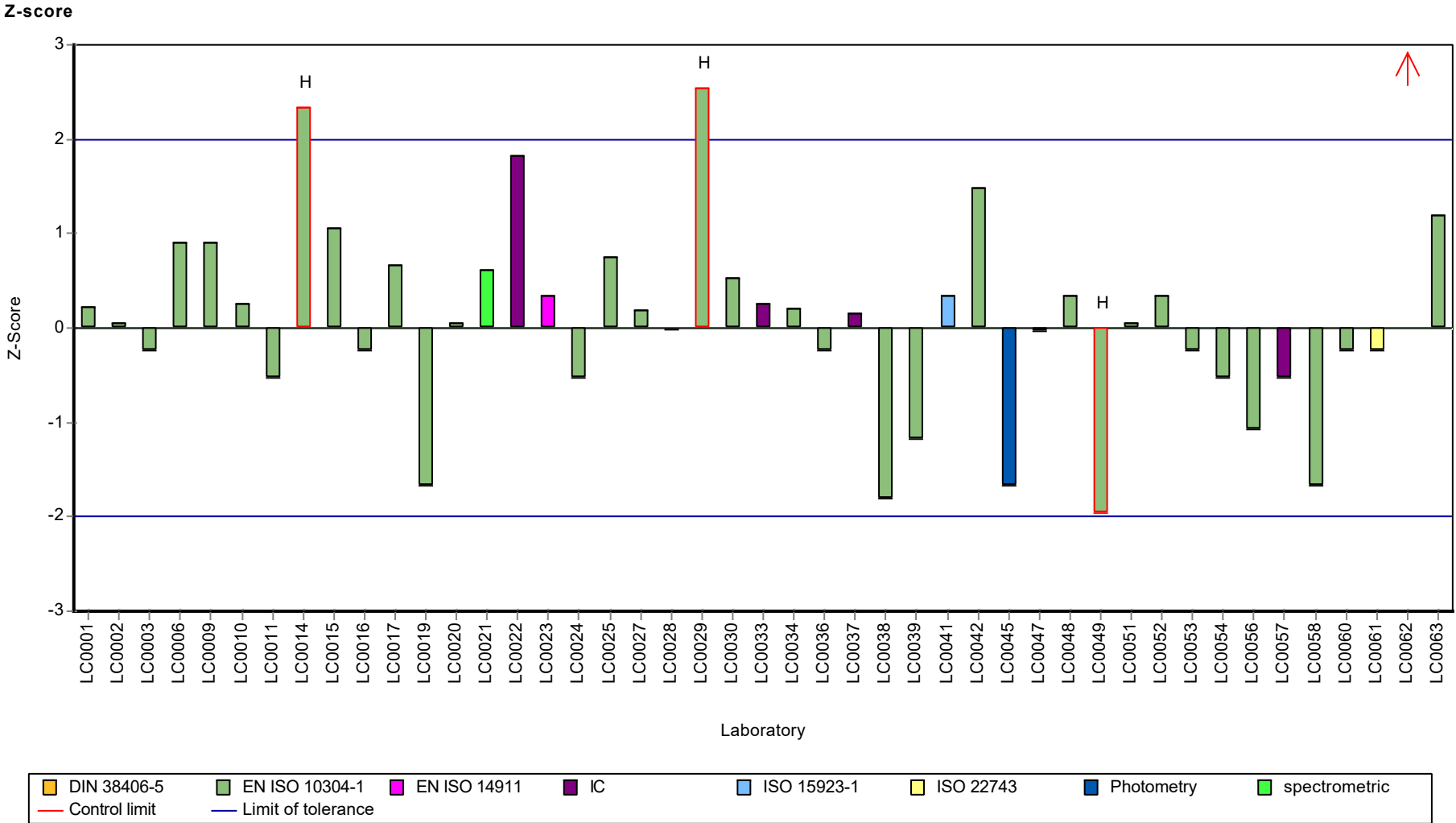
Sample: N175A, Parameter: Sulfate (as SO₄)

Recovery rate



Parameter oriented report Nutrients/Major Ions N175

Sample: N175A, Parameter: Sulfate (as SO₄)



Parameter oriented report Nutrients/Major Ions N175

Sample: N175B, Parameter: Sulfate (as SO₄)

Parameter oriented report

N175 B

Sulfate (as SO₄)

Unit	mg/l
Assigned value ± U (k=2)	32.1 ± 0.266
Criterion	1.06 (3.3 %)
Minimum - Maximum	30.3 - 34.1
Control test value ± U (k=2)	31.6 ± 3.16

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	30.96	4	96.5	-1.05	
LC0002	31.7	1.8	98.8	-0.35	
LC0003	31.9	0.1	99.5	-0.16	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	32.7	3	102	0.59	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	32.4	0.423	101	0.31	
LC0010	32.12	0.6279	100	0.05	
LC0011	32.4	1.9	101	0.31	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	32.5	2	101	0.4	
LC0015	33	4.95	103	0.88	
LC0016	31.3	2.1	97.6	-0.73	
LC0017	33.43	5.01	104	1.28	
LC0018	-	-	-	-	
LC0019	29	2	90.4	-2.9	H
LC0020	32.5	3.2	101	0.4	
LC0021	31.4	4.71	97.9	-0.63	
LC0022	32.3	1.6	101	0.22	
LC0023	31.8	1.53	99.2	-0.26	
LC0024	31.4	1.29	97.9	-0.63	
LC0025	31.64	2.72	98.7	-0.41	
LC0026	-	-	-	-	
LC0027	31.91	0.89	99.5	-0.15	
LC0028	31.39	2	97.9	-0.64	
LC0029	34.1	2.2	106	1.92	
LC0030	32.94	0.754	103	0.82	
LC0031	-	-	-	-	
LC0032	-	-	-	-	
LC0033	32.74	1.64	102	0.63	
LC0034	31.889	1.942	99.4	-0.17	
LC0035	-	-	-	-	
LC0036	31.5	6.3	98.2	-0.54	
LC0037	32.09	0.9627	100	0.02	
LC0038	30.9	3.1	96.3	-1.11	
LC0039	29.2	2.92	91	-2.71	H
LC0040	-	-	-	-	

Parameter oriented report Nutrients/Major Ions N175

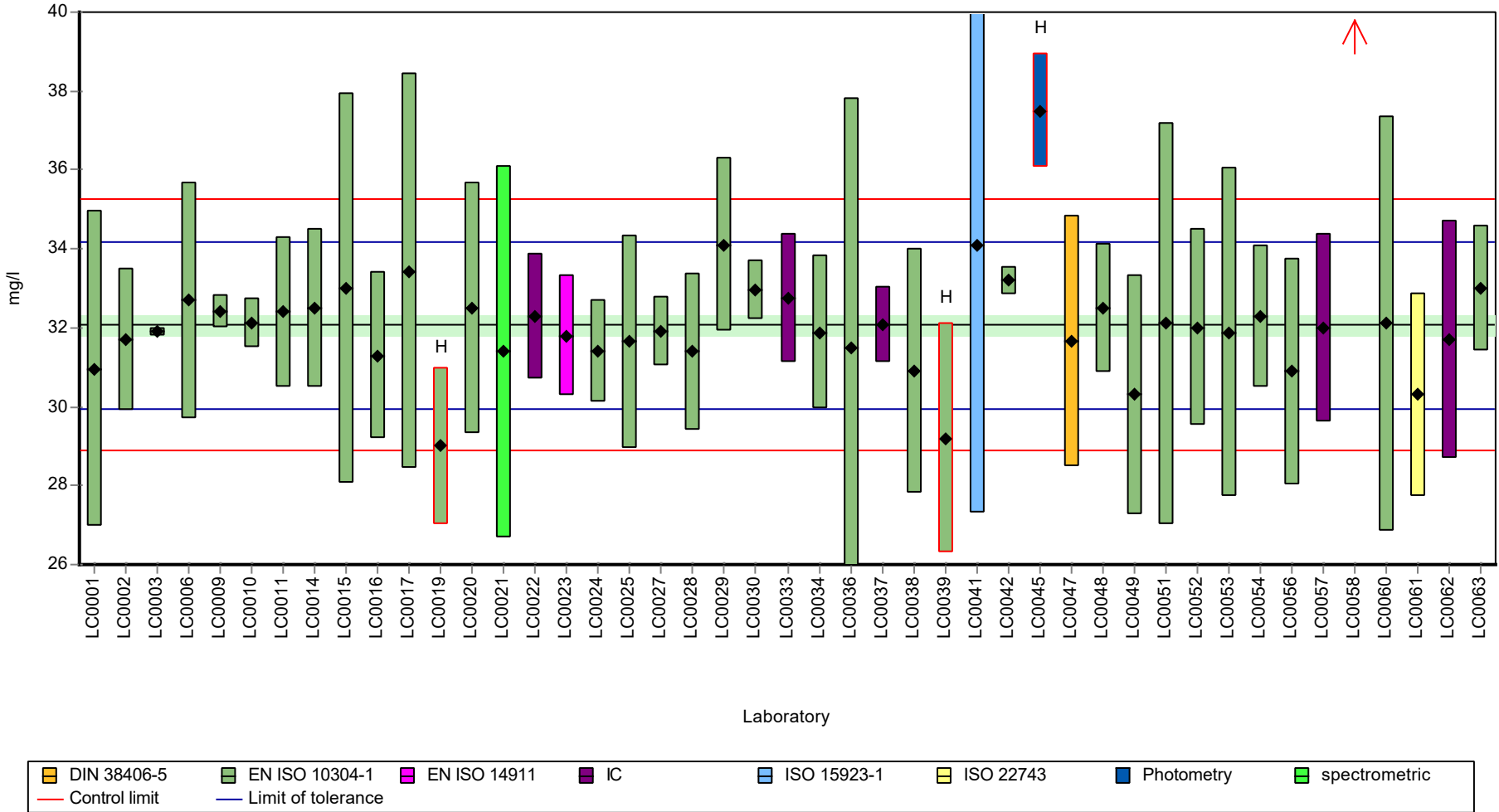
Sample: N175B, Parameter: Sulfate (as SO₄)

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0041	34.1	6.8	106	1.92	
LC0042	33.2	0.359	104	1.07	
LC0043	-	-	-	-	
LC0044	-	-	-	-	
LC0045	37.5	1.4475	117	5.13	H
LC0046	-	-	-	-	
LC0047	31.66	3.2	98.7	-0.39	
LC0048	32.5	1.625	101	0.4	
LC0049	30.3	3.03	94.5	-1.67	
LC0050	-	-	-	-	
LC0051	32.1	5.1	100	0.03	
LC0052	32	2.5	99.8	-0.07	
LC0053	31.88	4.16	99.4	-0.18	
LC0054	32.3	1.8	101	0.22	
LC0055	-	-	-	-	
LC0056	30.9	2.87061	96.3	-1.11	
LC0057	32	2.4	99.8	-0.07	
LC0058	316	23.7	985	268.27	H
LC0059	-	-	-	-	
LC0060	32.1	5.25	100	0.03	
LC0061	30.3	2.59	94.5	-1.67	
LC0062	31.7	3	98.8	-0.35	
LC0063	33	1.6	103	0.88	

Characteristics of parameter

	all results	w without outliers	Unit
Mean ± CI (99%)	38.4 ± 18.9	32.1 ± 0.398	mg/l
Minimum	29	30.3	mg/l
Maximum	316	34.1	mg/l
Standard deviation	42.3	0.85	mg/l
rel. standard deviation	110	2.65	%
n	45	41	-

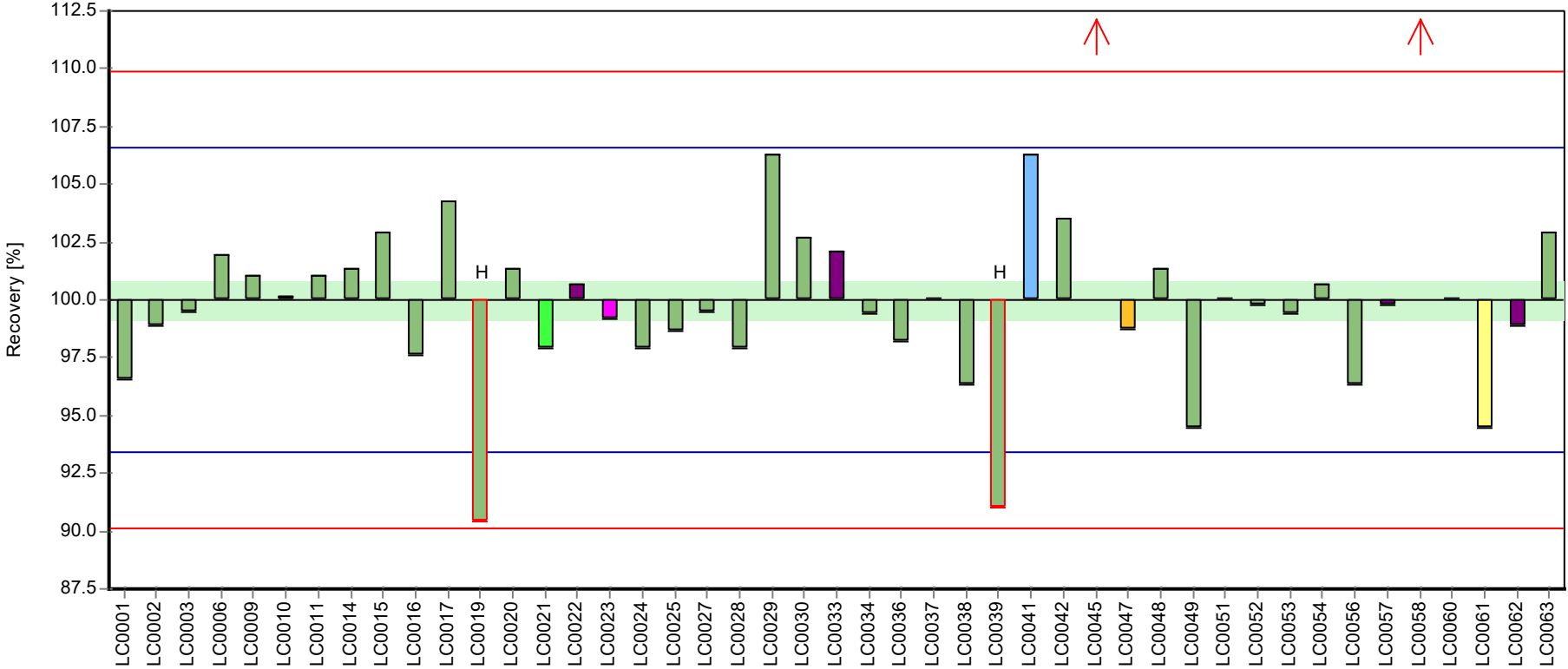
Graphical presentation of results
Results



Parameter oriented report Nutrients/Major Ions N175

Sample: N175B, Parameter: Sulfate (as SO4)

Recovery rate



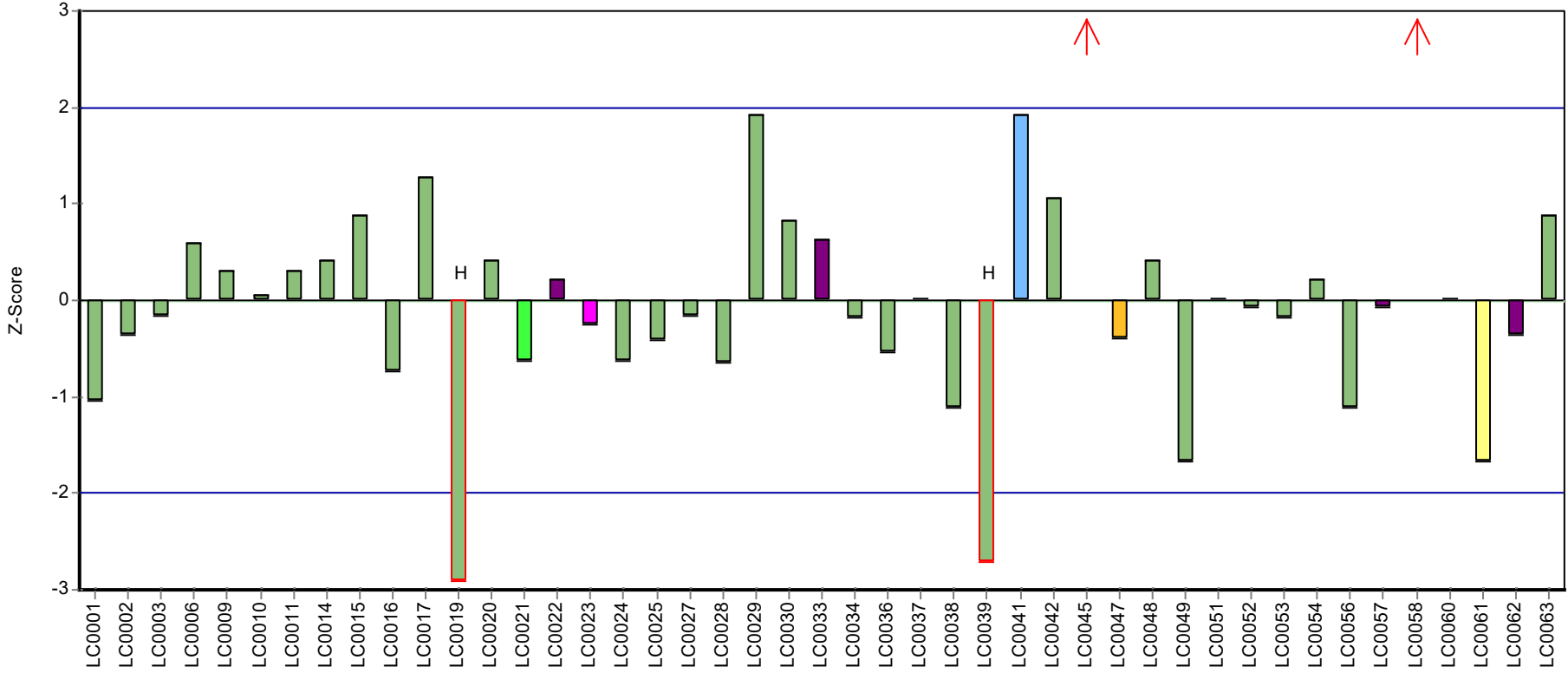
Laboratory



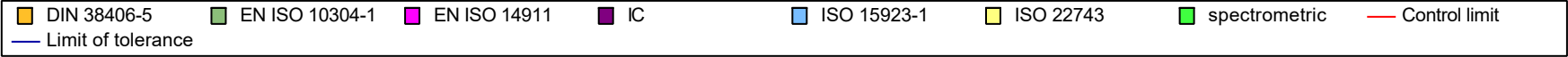
Parameter oriented report Nutrients/Major Ions N175

Sample: N175B, Parameter: Sulfate (as SO4)

Z-score



Laboratory



Parameter oriented report Nutrients/Major Ions N175

Sample: N175A, Parameter: Alkalinity Ks 4,3

Parameter oriented report

N175 A

Alkalinity Ks 4,3

Unit	mmol/l
Assigned value ± U (k=2)	7.39 ± 0.0212
Criterion	0.148 (2 %)
Minimum - Maximum	7.25 - 7.58
Control test value ± U (k=2)	7.08 ± 0.354

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	7.32	0.74	99	-0.48	
LC0002	7.44	1.05	101	0.33	
LC0003	7.31	0.032	98.9	-0.55	
LC0004	7.34	0.21	99.3	-0.35	
LC0005	-	-	-	-	
LC0006	7.46	0.3	101	0.46	
LC0007	-	-	-	-	
LC0008	7.39	0.5	100	-0.01	
LC0009	7.37	0.196	99.7	-0.14	
LC0010	7.49	0.101	101	0.67	
LC0011	7.39	0.37	100	-0.01	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	7.28	0.37	98.5	-0.75	
LC0015	7.65	1.148	103	1.75	H
LC0016	7.4	0.4	100	0.06	
LC0017	7.37	1.01	99.7	-0.14	
LC0018	-	-	-	-	
LC0019	-	-	-	-	
LC0020	7.37	0.74	99.7	-0.14	
LC0021	7.37	0.2	99.7	-0.14	
LC0022	7.41	0.37	100	0.13	
LC0023	7.37	0.3	99.7	-0.14	
LC0024	7.25	0.2	98.1	-0.96	
LC0025	7.489	0.416	101	0.66	
LC0026	-	-	-	-	
LC0027	7.425	0.16	100	0.23	
LC0028	7.449	0.1	101	0.39	
LC0029	7.411	0.1	100	0.13	
LC0030	7.39	0.357	100	-0.01	
LC0031	7.37	0.14	99.7	-0.14	
LC0032	7.07	0.42	95.7	-2.17	H
LC0033	7.32	0.15	99	-0.48	
LC0034	-	-	-	-	
LC0035	-	-	-	-	
LC0036	-	-	-	-	
LC0037	7.41	0.07	100	0.13	
LC0038	7.35	0.74	99.4	-0.28	
LC0039	7.575	0.189	102	1.24	
LC0040	7.3	1.7	98.8	-0.62	

Parameter oriented report Nutrients/Major Ions N175

Sample: N175A, Parameter: Alkalinity Ks 4,3

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0041	7.53	1.9	102	0.94	
LC0042	7.16	0.356	96.9	-1.56	H
LC0043	7.3	0.29	98.8	-0.62	
LC0044	7.395	0.1516	100	0.02	
LC0045	7.56	0.07938	102	1.14	
LC0046	7.6475	0.27	103	1.73	H
LC0047	7.395	1.3	100	0.02	
LC0048	7.45	0.11	101	0.4	
LC0049	7.43	0.743	101	0.26	
LC0050	7.45	1.49	101	0.4	
LC0051	7.39	0.59	100	-0.01	
LC0052	7.25	0.2	98.1	-0.96	
LC0053	7.37	0.29	99.7	-0.14	
LC0054	7.35	0.25	99.4	-0.28	
LC0055	-	-	-	-	
LC0056	8.18	0.818	111	5.34	H
LC0057	7.4	0.11	100	0.06	
LC0058	7.4	1.08	100	0.06	
LC0059	7.34	0.6	99.3	-0.35	
LC0060	7.36	0.368	99.6	-0.21	
LC0061	-	-	-	-	
LC0062	-	-	-	-	
LC0063	7.42	0.37	100	0.19	

Characteristics of parameter

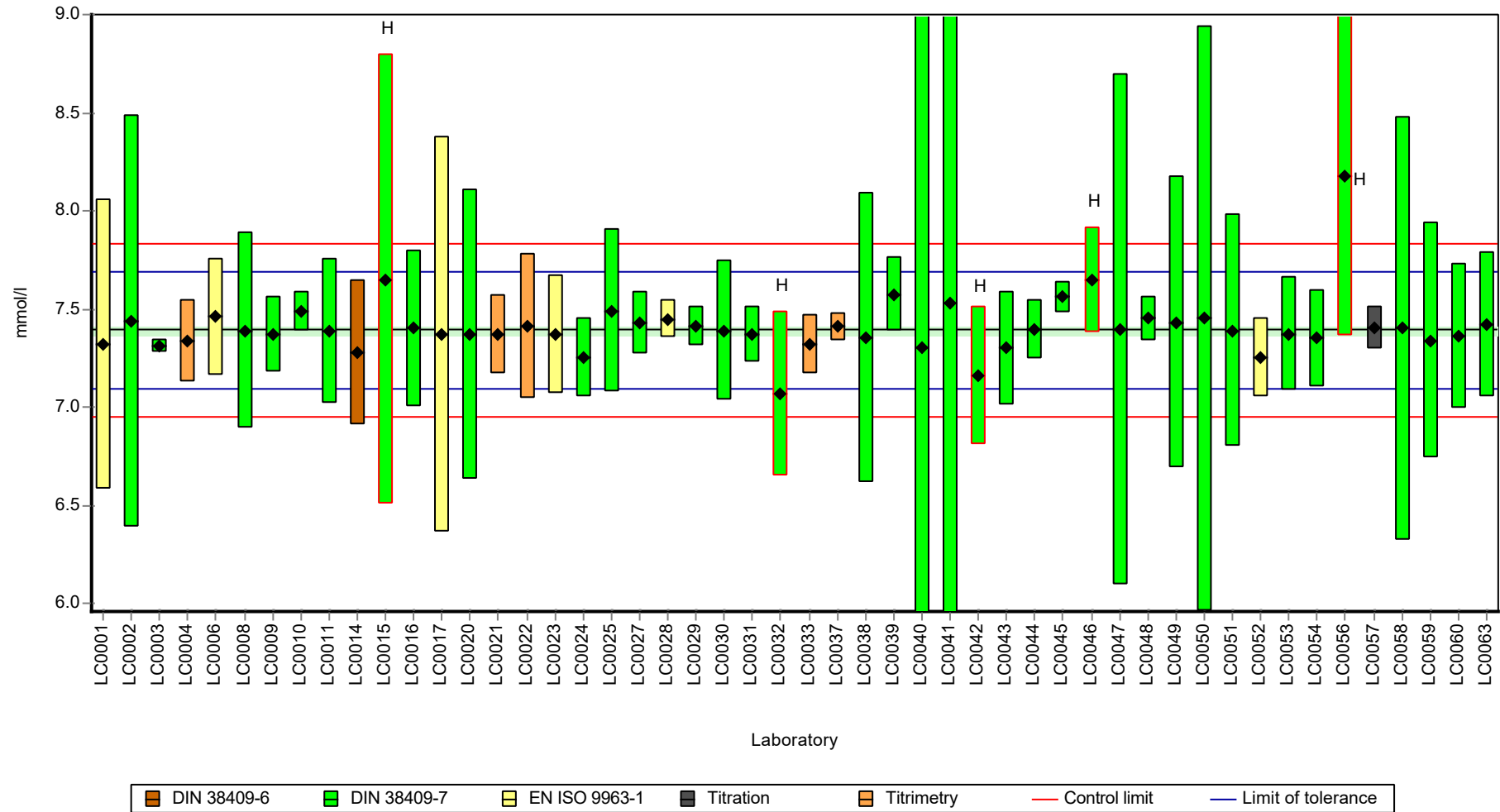
	all results	w without outliers	Unit
Mean ± CI (99%)	7.41 ± 0.0642	7.39 ± 0.0317	mmol/l
Minimum	7.07	7.25	mmol/l
Maximum	8.18	7.58	mmol/l
Standard deviation	0.151	0.0709	mmol/l
rel. standard deviation	2.04	0.96	%
n	50	45	-

Parameter oriented report Nutrients/Major Ions N175

Sample: N175A, Parameter: Alkalinity Ks 4,3

Graphical presentation of results

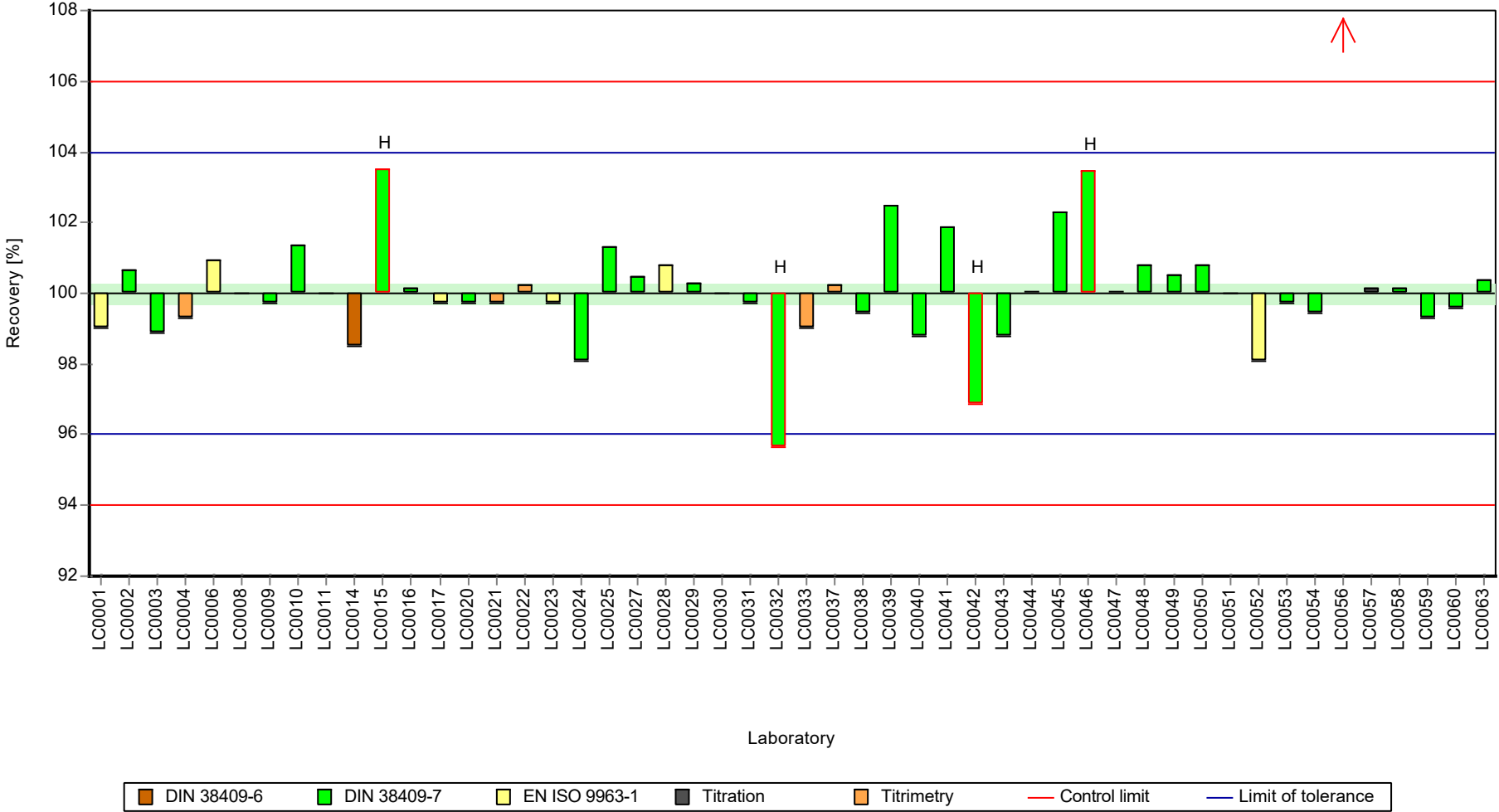
Results



Parameter oriented report Nutrients/Major Ions N175

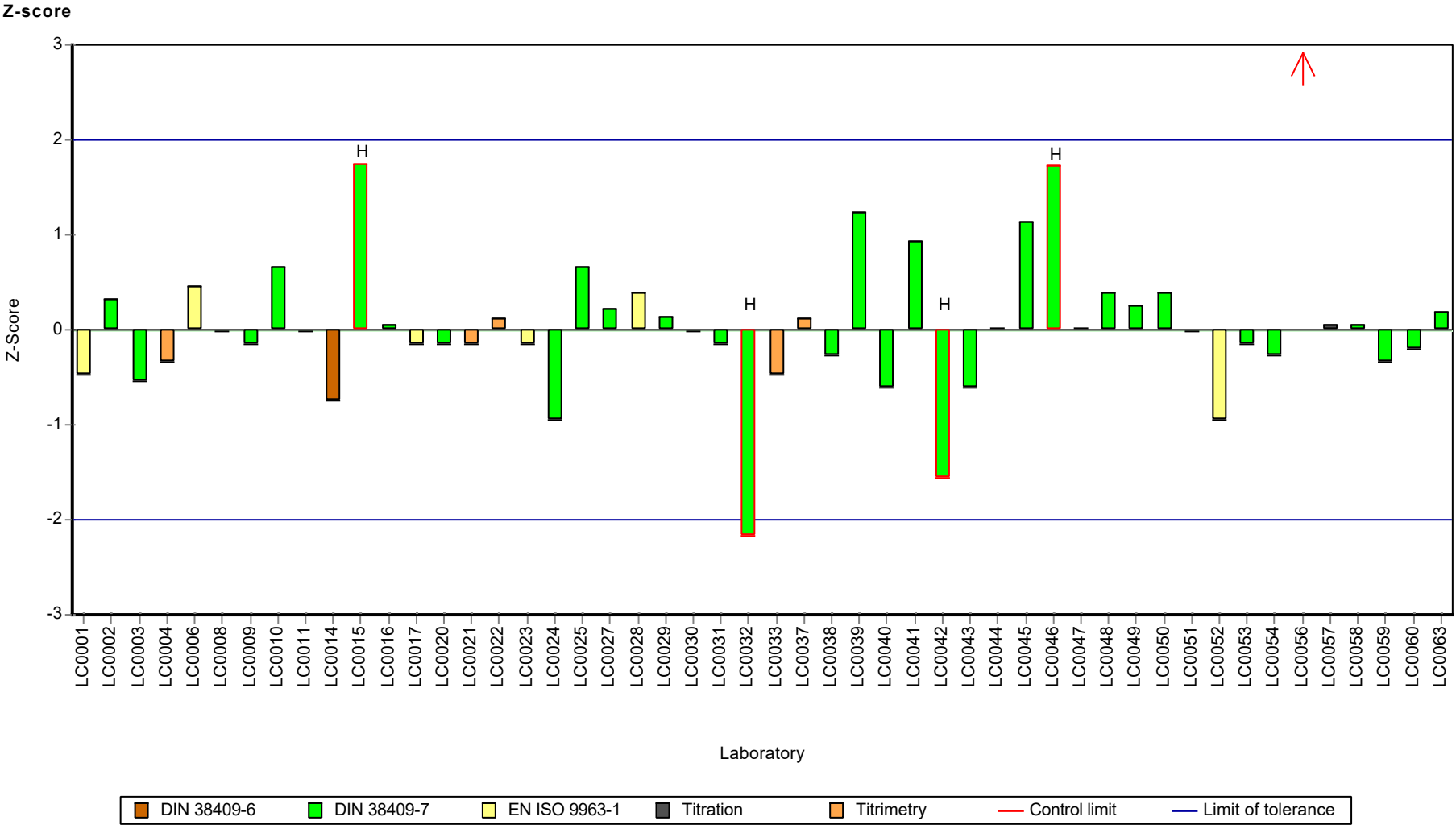
Sample: N175A, Parameter: Alkalinity Ks 4,3

Recovery rate



Parameter oriented report Nutrients/Major Ions N175

Sample: N175A, Parameter: Alkalinity Ks 4,3



Parameter oriented report Nutrients/Major Ions N175

Sample: N175B, Parameter: Alkalinity Ks 4,3

Parameter oriented report

N175 B

Alkalinity Ks 4,3

Unit	mmol/l
Assigned value ± U (k=2)	3.64 ± 0.0136
Criterion	0.0728 (2 %)
Minimum - Maximum	3.52 - 3.74
Control test value ± U (k=2)	3.49 ± 0.175

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	3.65	0.37	100	0.15	
LC0002	3.68	0.52	101	0.56	
LC0003	3.61	0.012	99.2	-0.4	
LC0004	3.63	0.1	99.7	-0.13	
LC0005	-	-	-	-	
LC0006	3.67	0.2	101	0.42	
LC0007	-	-	-	-	
LC0008	3.66	0.25	101	0.29	
LC0009	3.62	0.121	99.5	-0.26	
LC0010	3.69	0.0498	101	0.7	
LC0011	3.67	0.184	101	0.42	
LC0012	-	-	-	-	
LC0013	-	-	-	-	
LC0014	3.58	0.18	98.4	-0.81	
LC0015	3.805	0.571	105	2.28	H
LC0016	3.55	0.19	97.5	-1.23	
LC0017	3.61	0.54	99.2	-0.4	
LC0018	-	-	-	-	
LC0019	-	-	-	-	
LC0020	3.72	0.37	102	1.11	
LC0021	3.71	0.2	102	0.97	
LC0022	3.64	0.18	100	0.01	
LC0023	3.67	0.15	101	0.42	
LC0024	3.56	0.1	97.8	-1.09	
LC0025	3.735	0.208	103	1.32	
LC0026	-	-	-	-	
LC0027	3.62	0.076	99.5	-0.26	
LC0028	3.689	0.1	101	0.68	
LC0029	3.669	0.19	101	0.41	
LC0030	3.635	0.176	99.9	-0.06	
LC0031	3.62	0.07	99.5	-0.26	
LC0032	3.48	0.21	95.6	-2.19	H
LC0033	3.61	0.08	99.2	-0.4	
LC0034	-	-	-	-	
LC0035	-	-	-	-	
LC0036	-	-	-	-	
LC0037	3.65	0.01	100	0.15	
LC0038	3.67	0.37	101	0.42	
LC0039	3.84	0.096	106	2.76	H
LC0040	3.5	0.81	96.2	-1.91	H

Parameter oriented report Nutrients/Major Ions N175

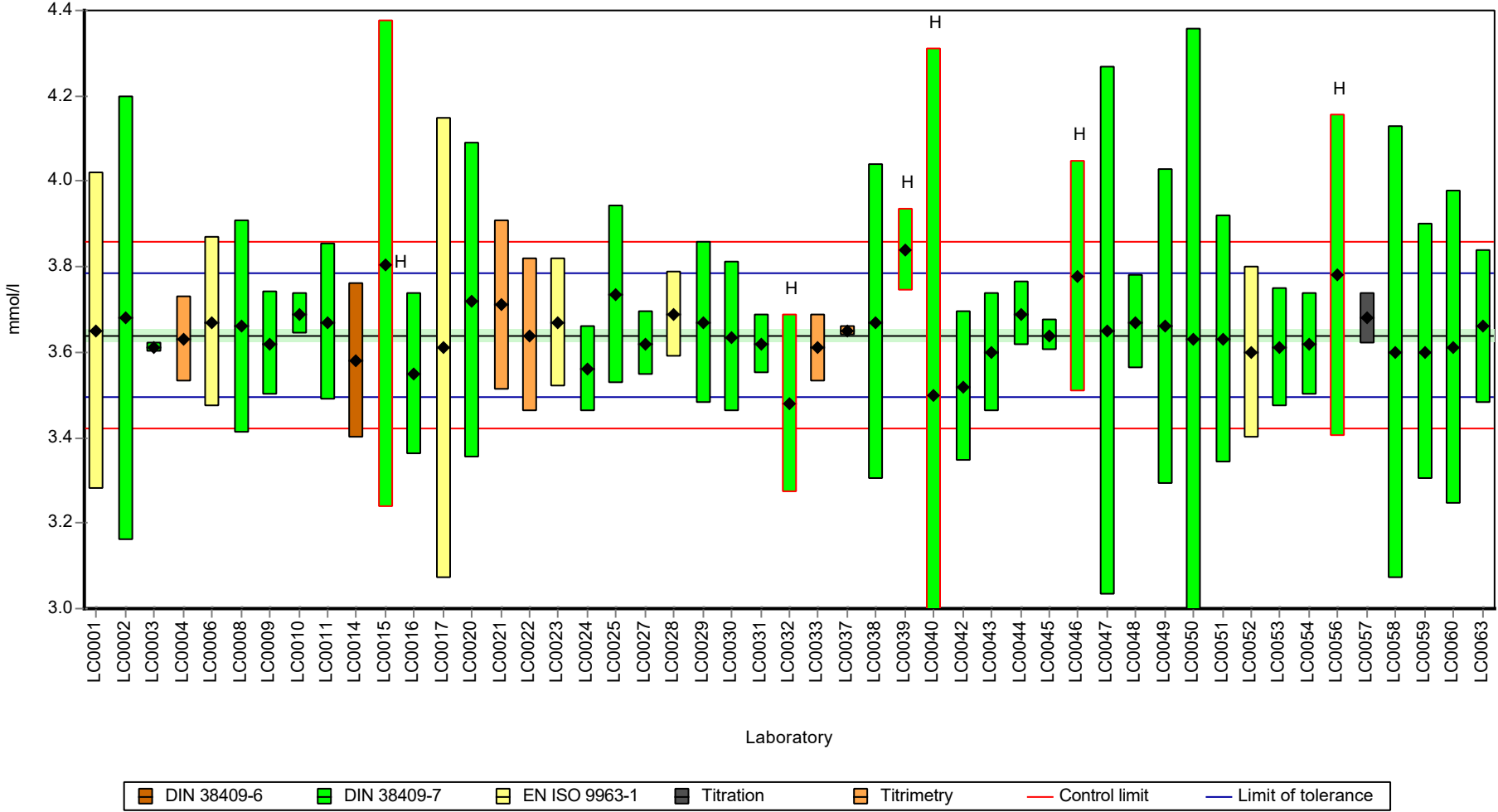
Sample: N175B, Parameter: Alkalinity Ks 4,3

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0041	-	-	-	-	
LC0042	3.52	0.176	96.7	-1.64	
LC0043	3.6	0.14	98.9	-0.54	
LC0044	3.69	0.0756	101	0.7	
LC0045	3.64	0.03822	100	0.01	
LC0046	3.7775	0.27	104	1.9	H
LC0047	3.6495	0.62	100	0.14	
LC0048	3.67	0.11	101	0.42	
LC0049	3.66	0.37	101	0.29	
LC0050	3.63	0.726	99.7	-0.13	
LC0051	3.63	0.29	99.7	-0.13	
LC0052	3.6	0.2	98.9	-0.54	
LC0053	3.61	0.14	99.2	-0.4	
LC0054	3.62	0.12	99.5	-0.26	
LC0055	-	-	-	-	
LC0056	3.78	0.378	104	1.93	H
LC0057	3.68	0.06	101	0.56	
LC0058	3.6	0.53	98.9	-0.54	
LC0059	3.6	0.3	98.9	-0.54	
LC0060	3.61	0.368	99.2	-0.4	
LC0061	-	-	-	-	
LC0062	-	-	-	-	
LC0063	3.66	0.18	101	0.29	

Characteristics of parameter

	all results	w without outliers	Unit
Mean ± CI (99%)	3.65 ± 0.0298	3.64 ± 0.0203	mmol/l
Minimum	3.48	3.52	mmol/l
Maximum	3.84	3.74	mmol/l
Standard deviation	0.0695	0.0445	mmol/l
rel. standard deviation	1.91	1.22	%
n	49	43	-

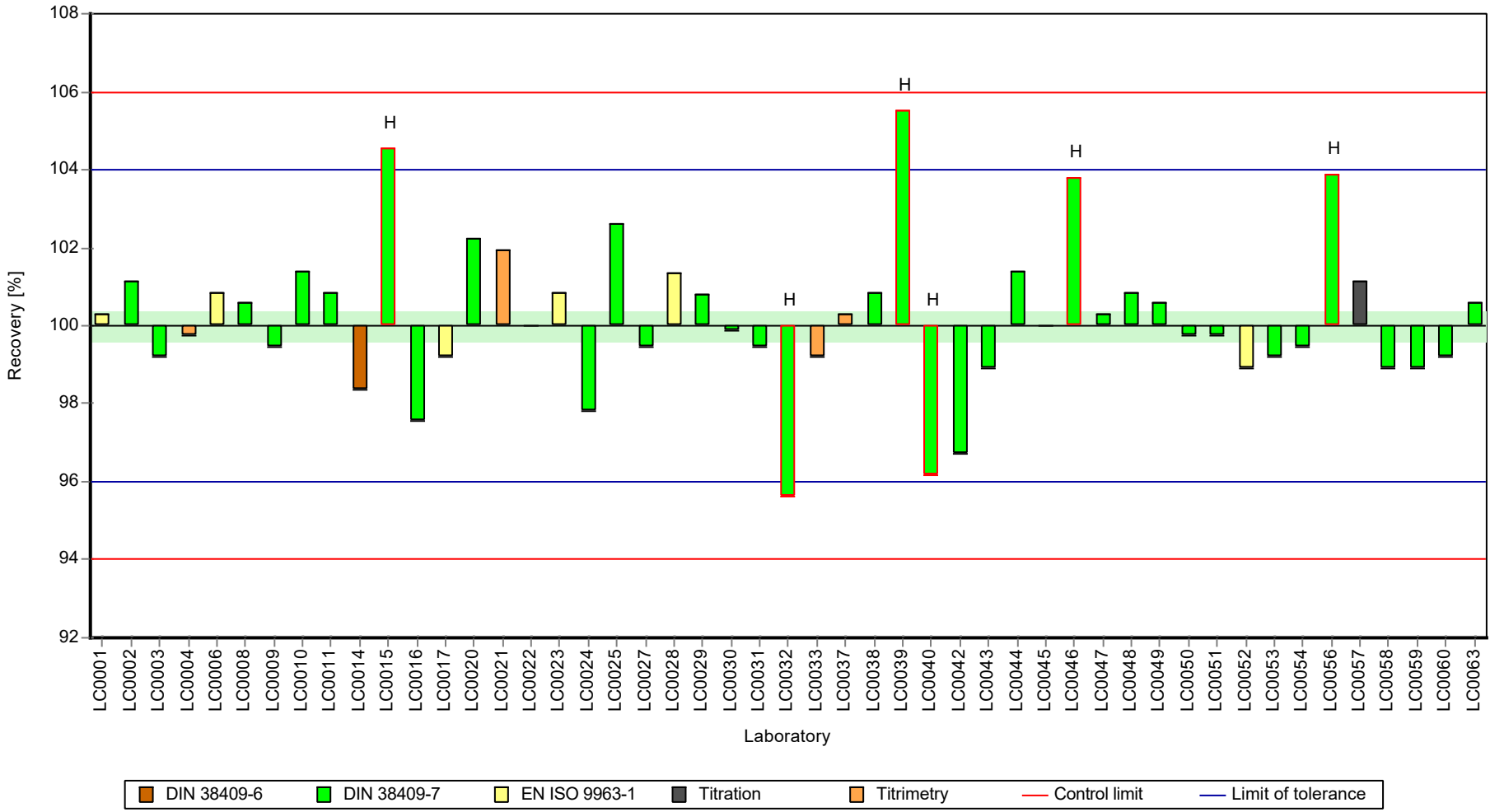
Graphical presentation of results
 Results



Parameter oriented report Nutrients/Major Ions N175

Sample: N175B, Parameter: Alkalinity Ks 4,3

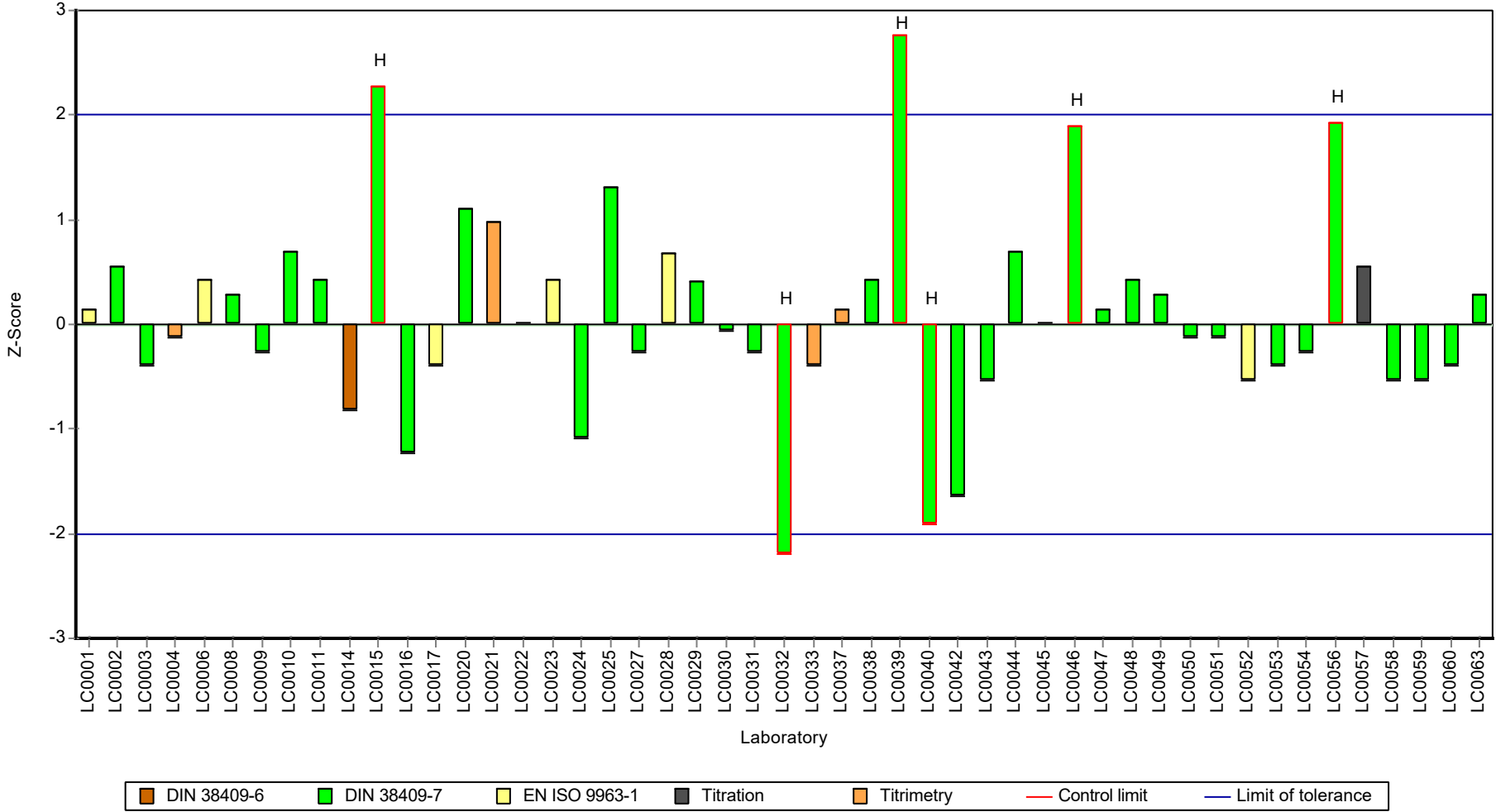
Recovery rate



Parameter oriented report Nutrients/Major Ions N175

Sample: N175B, Parameter: Alkalinity Ks 4,3

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: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.0359 ± 0.002	0.00643	106	0.32
Boron	mg/l	0.0597 ± 0.00224	0.0584 ± 0.015	0.00657	97.8	-0.20
Calcium	mg/l	165 ± 1.53	160 ± 32	5.12	96.9	-1.01
Chloride	mg/l	102 ± 0.706	100.01 ± 10	4.07	98.3	-0.42
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1168 ± 10	15.1	100	0.31
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.1584 ± 0.011	0.0121	98.1	-0.25
Total hardness	mmol/l	5.74 ± 0.0381	5.58 ± 0.6	0.172	97.3	-0.91
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	446.6 ± 45	8.99	99.3	-0.33
Potassium	mg/l	2.56 ± 0.0428	2.64 ± 0.53	0.133	103	0.57
Magnesium	mg/l	38.6 ± 0.337	38.4 ± 7.7	1.55	99.4	-0.15
Sodium	mg/l	26.5 ± 0.22	26.6 ± 4	0.899	101	0.16
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12.46 ± 1.3	0.629	99	-0.20
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.0382 ± 0.002	0.00298	100	0.01
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.0959 ± 0.007	0.0121	111	0.77
pH-value	-	7.54 ± 0.0389	7.73 ± 0.1	0.151	103	1.25
Sulfate (as SO ₄)	mg/l	106 ± 0.909	106.61 ± 11	3.49	101	0.22
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.32 ± 0.74	0.148	99	-0.48

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.447 ± 0.217	0.193	97.7	-0.18

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.3256 ± 0.018	0.0369	106	0.50
Boron	mg/l	0.0176 ± 0.00104	<0.0236 ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	65.4 ± 13.1	2.09	97	-0.96
Chloride	mg/l	29.3 ± 0.251	28.1 ± 3	1.17	96	-1.00
El. conductivity (25°C)	µS/cm	533 ± 1.36	536 ± 10	6.93	101	0.40

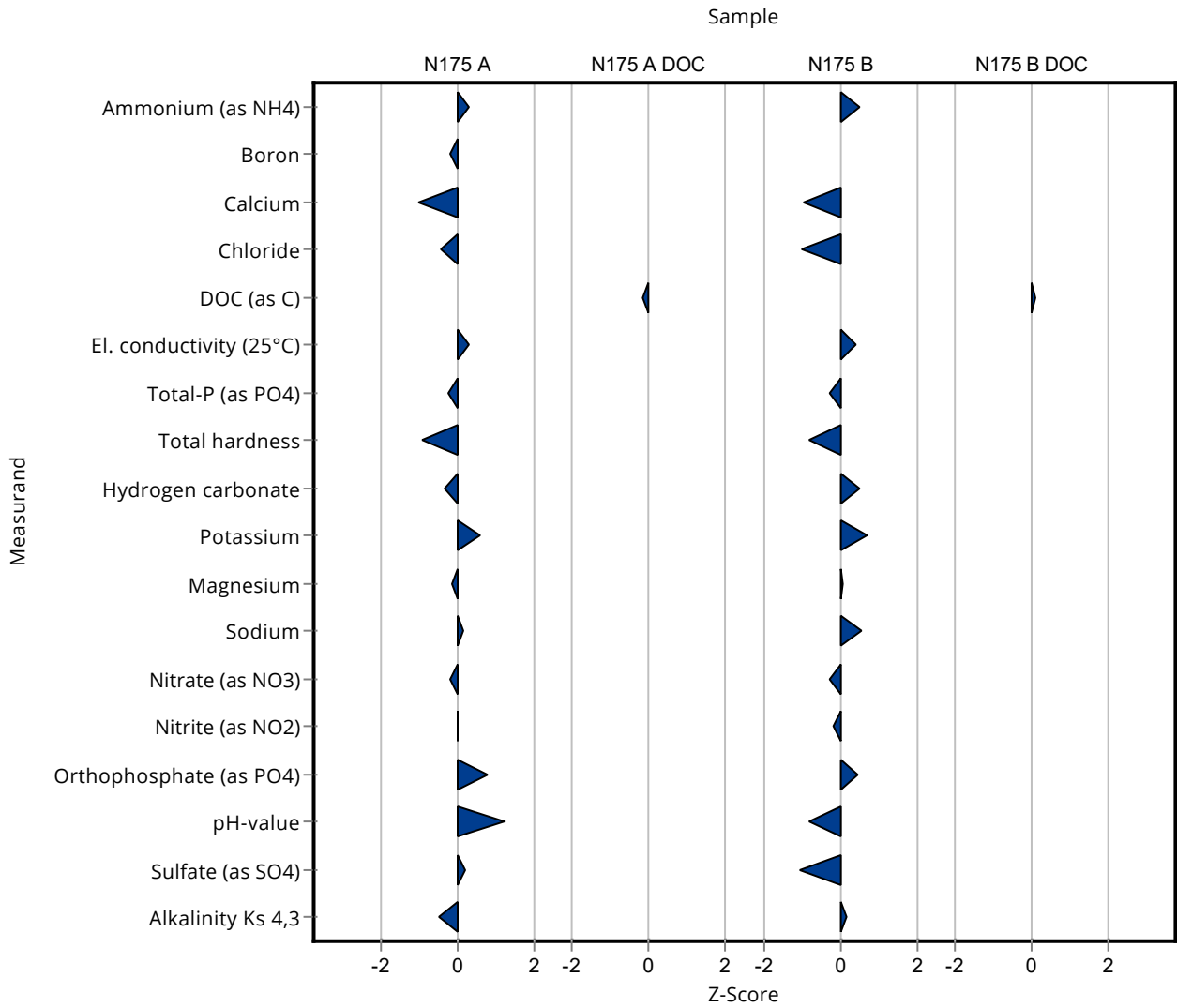
Summary of results Nutrients/Major Ions N175

Labcode: LC0001

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	2.1232 ± 0.147	0.162	98.1	-0.26
Total hardness	mmol/l	2.34 ± 0.0174	2.28 ± 3	0.0701	97.6	-0.82
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	222.7 ± 23	4.41	101	0.50
Potassium	mg/l	2.58 ± 0.0293	2.67 ± 0.54	0.134	104	0.68
Magnesium	mg/l	15.6 ± 0.182	15.6 ± 3.2	0.622	100	0.07
Sodium	mg/l	16.4 ± 0.195	16.7 ± 3.4	0.558	102	0.54
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	22.93 ± 3	1.16	98.5	-0.30
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.6723 ± 0.04	0.036	99.1	-0.17
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.3973 ± 0.028	0.0629	107	0.43
pH-value	-	7.63 ± 0.0362	7.51 ± 0.1	0.153	98.4	-0.80
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	30.96 ± 4	1.06	96.5	-1.05
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.65 ± 0.37	0.0728	100	0.15

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.501 ± 0.525	0.346	101	0.11



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.0359 ± 0.002	0.00643	106	0.45
Boron	mg/l	0.0597 ± 0.00224	0.0584 ± 0.015	0.00657	97.8	-0.04
Calcium	mg/l	165 ± 1.53	160 ± 32	5.12	96.9	-0.08
Chloride	mg/l	102 ± 0.706	100.01 ± 10	4.07	98.3	-0.08
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1168 ± 10	15.1	100	0.23
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.1584 ± 0.011	0.0121	98.1	-0.14
Total hardness	mmol/l	5.74 ± 0.0381	5.58 ± 0.6	0.172	97.3	-0.13
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	446.6 ± 45	8.99	99.3	-0.03
Potassium	mg/l	2.56 ± 0.0428	2.64 ± 0.53	0.133	103	0.07
Magnesium	mg/l	38.6 ± 0.337	38.4 ± 7.7	1.55	99.4	-0.01
Sodium	mg/l	26.5 ± 0.22	26.6 ± 4	0.899	101	0.02
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12.46 ± 1.3	0.629	99	-0.05
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.0382 ± 0.002	0.00298	100	0.01
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.0959 ± 0.007	0.0121	111	0.64
pH-value	-	7.54 ± 0.0389	7.73 ± 0.1	0.151	103	0.93
Sulfate (as SO ₄)	mg/l	106 ± 0.909	106.61 ± 11	3.49	101	0.04
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.32 ± 0.74	0.148	99	-0.05

Sample: N175ADOC

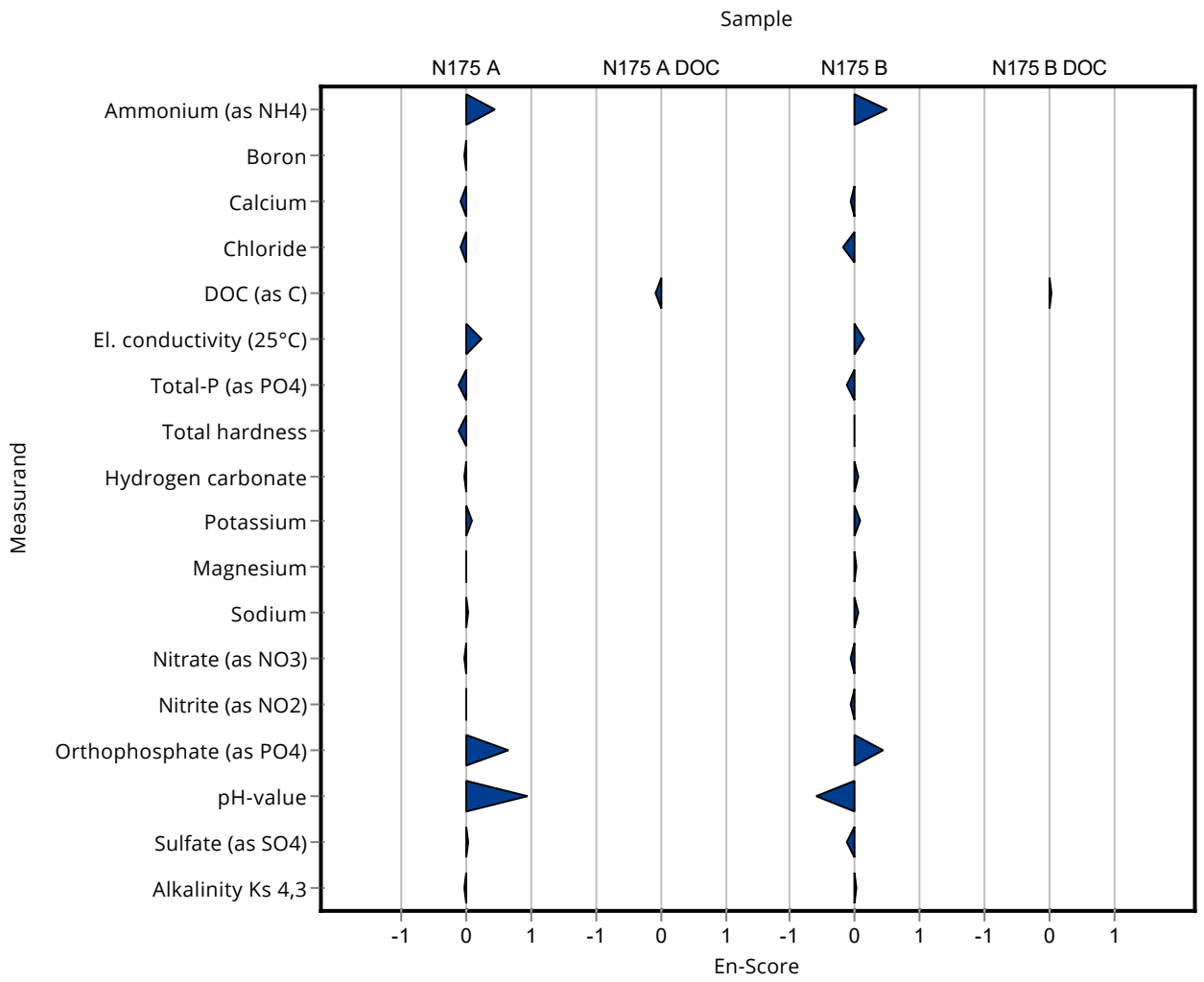
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.447 ± 0.217	0.193	97.7	-0.08

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.3256 ± 0.018	0.0369	106	0.50
Boron	mg/l	0.0176 ± 0.00104	<0.0236 ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	65.4 ± 13.1	2.09	97	-0.08
Chloride	mg/l	29.3 ± 0.251	28.1 ± 3	1.17	96	-0.19
El. conductivity (25°C)	µS/cm	533 ± 1.36	536 ± 10	6.93	101	0.14
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	2.1232 ± 0.147	0.162	98.1	-0.14
Total hardness	mmol/l	2.34 ± 0.0174	2.28 ± 3	0.0701	97.6	-0.01
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	222.7 ± 23	4.41	101	0.05
Potassium	mg/l	2.58 ± 0.0293	2.67 ± 0.54	0.134	104	0.08
Magnesium	mg/l	15.6 ± 0.182	15.6 ± 3.2	0.622	100	0.01
Sodium	mg/l	16.4 ± 0.195	16.7 ± 3.4	0.558	102	0.04
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	22.93 ± 3	1.16	98.5	-0.06
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.6723 ± 0.04	0.036	99.1	-0.08
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.3973 ± 0.028	0.0629	107	0.44
pH-value	-	7.63 ± 0.0362	7.51 ± 0.1	0.153	98.4	-0.60
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	30.96 ± 4	1.06	96.5	-0.14
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.65 ± 0.37	0.0728	100	0.01

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.501 ± 0.525	0.346	101	0.04



Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.0373 ± 0.0062	0.00643	110	0.54
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	161 ± 13	5.12	97.5	-0.82
Chloride	mg/l	102 ± 0.706	102 ± 10	4.07	100	0.07
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1160 ± 51	15.1	99.7	-0.22
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	- ± -	0.0121	-	-
Total hardness	mmol/l	5.74 ± 0.0381	5.57 ± 0.62	0.172	97.1	-0.97
Total nitrogen	mg/l	2.96 ± 0.0892	2.91 ± 0.33	0.246	98.2	-0.22
Hydrogen carbonate	mg/l	450 ± 1.44	454 ± 64	8.99	101	0.49
Potassium	mg/l	2.56 ± 0.0428	2.52 ± 0.18	0.133	98.3	-0.33
Magnesium	mg/l	38.6 ± 0.337	37.6 ± 4.2	1.55	97.3	-0.66
Sodium	mg/l	26.5 ± 0.22	25.6 ± 1.2	0.899	96.8	-0.95
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12.5 ± 0.7	0.629	99.3	-0.14
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	<0.066 (LOQ) ± -	0.00298	-	-
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.0994 ± 0.0103	0.0121	115	1.06
pH-value	-	7.54 ± 0.0389	7.49 ± 0.27	0.151	99.3	-0.34
Sulfate (as SO ₄)	mg/l	106 ± 0.909	106 ± 6	3.49	100	0.05
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.44 ± 1.05	0.148	101	0.33

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.64 ± 0.15	0.193	111	0.82

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.321 ± 0.053	0.0369	104	0.37
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	66.5 ± 5.5	2.09	98.7	-0.43
Chloride	mg/l	29.3 ± 0.251	29.3 ± 2.8	1.17	100	0.03
El. conductivity (25°C)	µS/cm	533 ± 1.36	542 ± 23.8	6.93	102	1.26

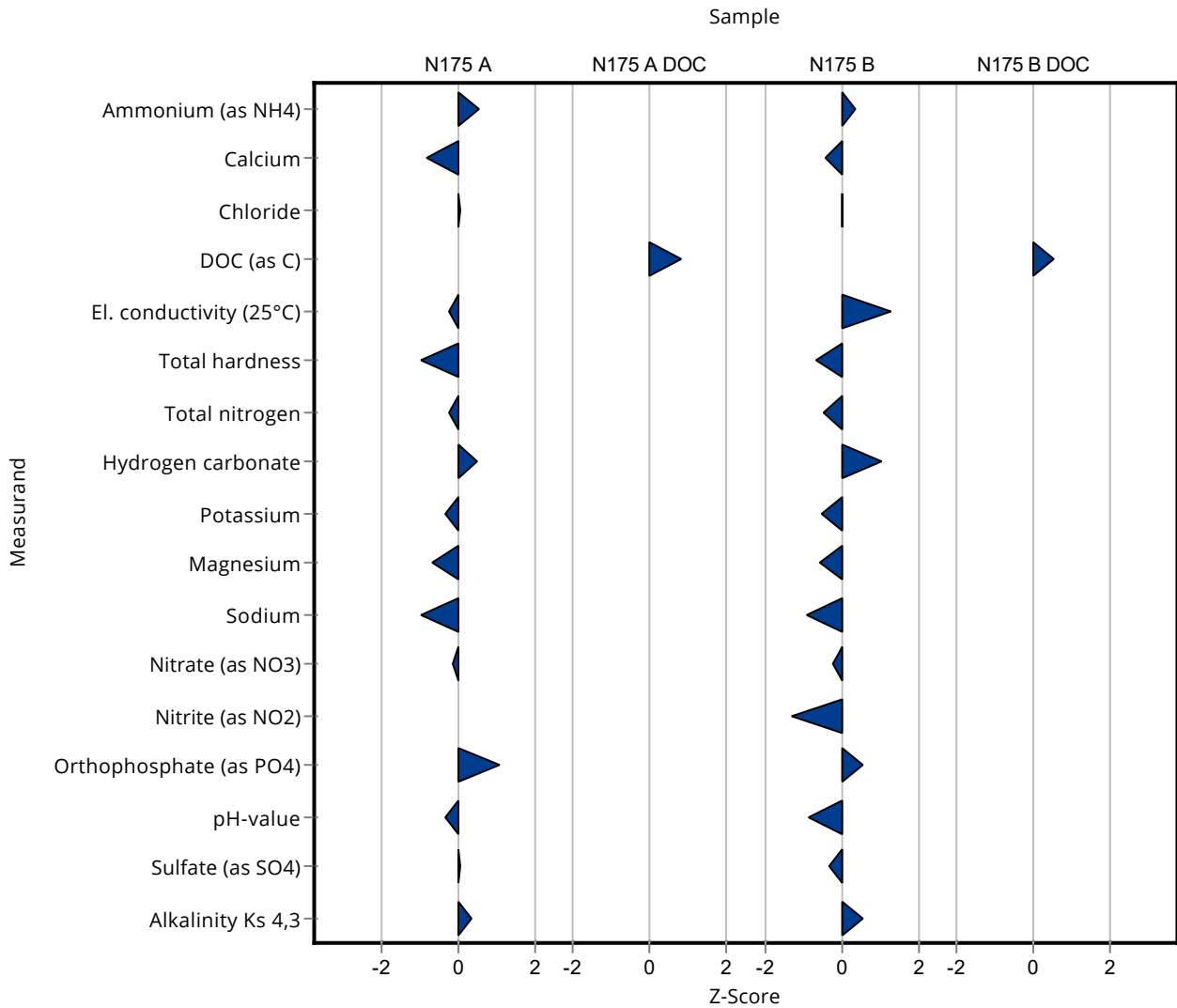
Summary of results Nutrients/Major Ions N175

Labcode: LC0002

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	- ± -	0.162	-	-
Total hardness	mmol/l	2.34 ± 0.0174	2.29 ± 0.25	0.0701	98	-0.67
Total nitrogen	mg/l	5.8 ± 0.138	5.58 ± 0.63	0.482	96.1	-0.46
Hydrogen carbonate	mg/l	220 ± 0.967	225 ± 32	4.41	102	1.02
Potassium	mg/l	2.58 ± 0.0293	2.51 ± 0.18	0.134	97.3	-0.51
Magnesium	mg/l	15.6 ± 0.182	15.2 ± 1.7	0.622	97.7	-0.57
Sodium	mg/l	16.4 ± 0.195	15.9 ± 0.7	0.558	97	-0.90
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	23 ± 1.2	1.16	98.8	-0.24
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.632 ± 0.045	0.036	93.2	-1.29
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.406 ± 0.042	0.0629	110	0.57
pH-value	-	7.63 ± 0.0362	7.5 ± 0.27	0.153	98.3	-0.87
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	31.7 ± 1.8	1.06	98.8	-0.35
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.68 ± 0.52	0.0728	101	0.56

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.65 ± 0.34	0.346	105	0.54



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.0373 ± 0.0062	0.00643	110	0.27
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	161 ± 13	5.12	97.5	-0.16
Chloride	mg/l	102 ± 0.706	102 ± 10	4.07	100	0.01
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1160 ± 51	15.1	99.7	-0.03
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	- ± -	0.0121	-	-
Total hardness	mmol/l	5.74 ± 0.0381	5.57 ± 0.62	0.172	97.1	-0.13
Total nitrogen	mg/l	2.96 ± 0.0892	2.91 ± 0.33	0.246	98.2	-0.08
Hydrogen carbonate	mg/l	450 ± 1.44	454 ± 64	8.99	101	0.03
Potassium	mg/l	2.56 ± 0.0428	2.52 ± 0.18	0.133	98.3	-0.12
Magnesium	mg/l	38.6 ± 0.337	37.6 ± 4.2	1.55	97.3	-0.12
Sodium	mg/l	26.5 ± 0.22	25.6 ± 1.2	0.899	96.8	-0.35
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12.5 ± 0.7	0.629	99.3	-0.06
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	<0.066 (LOQ) ± -	0.00298	-	-
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.0994 ± 0.0103	0.0121	115	0.61
pH-value	-	7.54 ± 0.0389	7.49 ± 0.27	0.151	99.3	-0.09
Sulfate (as SO ₄)	mg/l	106 ± 0.909	106 ± 6	3.49	100	0.01
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.44 ± 1.05	0.148	101	0.02

Sample: N175ADOC

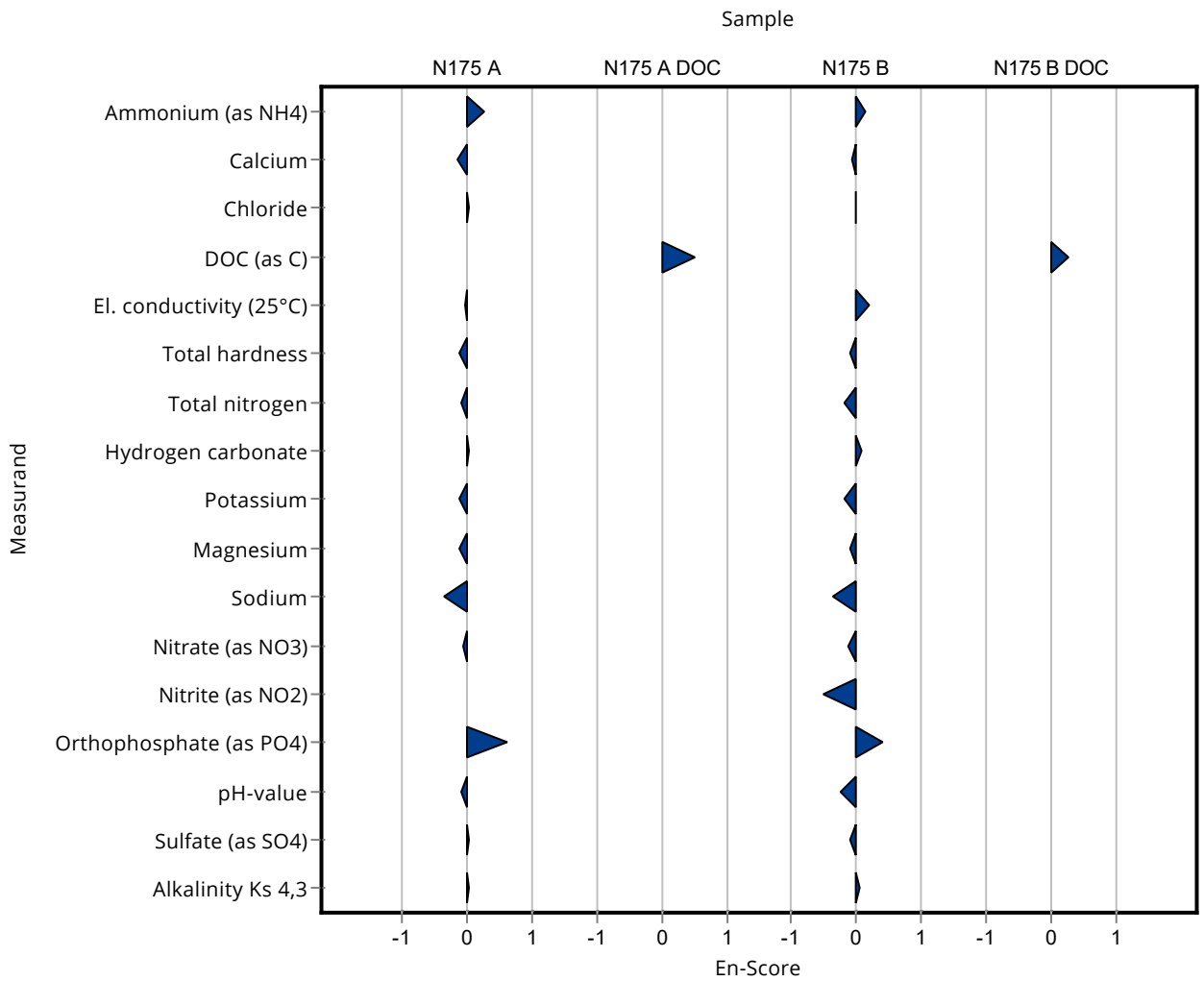
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.64 ± 0.15	0.193	111	0.52

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.321 ± 0.053	0.0369	104	0.13
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	66.5 ± 5.5	2.09	98.7	-0.08
Chloride	mg/l	29.3 ± 0.251	29.3 ± 2.8	1.17	100	0.01
El. conductivity (25°C)	µS/cm	533 ± 1.36	542 ± 23.8	6.93	102	0.18
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	- ± -	0.162	-	-
Total hardness	mmol/l	2.34 ± 0.0174	2.29 ± 0.25	0.0701	98	-0.09
Total nitrogen	mg/l	5.8 ± 0.138	5.58 ± 0.63	0.482	96.1	-0.18
Hydrogen carbonate	mg/l	220 ± 0.967	225 ± 32	4.41	102	0.07
Potassium	mg/l	2.58 ± 0.0293	2.51 ± 0.18	0.134	97.3	-0.19
Magnesium	mg/l	15.6 ± 0.182	15.2 ± 1.7	0.622	97.7	-0.10
Sodium	mg/l	16.4 ± 0.195	15.9 ± 0.7	0.558	97	-0.35
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	23 ± 1.2	1.16	98.8	-0.12
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.632 ± 0.045	0.036	93.2	-0.51
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.406 ± 0.042	0.0629	110	0.41
pH-value	-	7.63 ± 0.0362	7.5 ± 0.27	0.153	98.3	-0.25
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	31.7 ± 1.8	1.06	98.8	-0.10
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.68 ± 0.52	0.0728	101	0.04

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.65 ± 0.34	0.346	105	0.27



Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.0328 ± 0.001	0.00643	96.9	-0.16
Boron	mg/l	0.0597 ± 0.00224	0.053 ± 0.002	0.00657	88.8	-1.02
Calcium	mg/l	165 ± 1.53	169 ± 4.7	5.12	102	0.75
Chloride	mg/l	102 ± 0.706	107 ± 1.5	4.07	105	1.30
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1139 ± 5.7	15.1	97.9	-1.61
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.148 ± 0.001	0.0121	91.7	-1.11
Total hardness	mmol/l	5.74 ± 0.0381	5.97 ± 0.11	0.172	104	1.36
Total nitrogen	mg/l	2.96 ± 0.0892	2.94 ± 0.095	0.246	99.2	-0.10
Hydrogen carbonate	mg/l	450 ± 1.44	446 ± 2.1	8.99	99.2	-0.40
Potassium	mg/l	2.56 ± 0.0428	2.52 ± 0.038	0.133	98.3	-0.33
Magnesium	mg/l	38.6 ± 0.337	38.4 ± 0.57	1.55	99.4	-0.15
Sodium	mg/l	26.5 ± 0.22	26.3 ± 0.44	0.899	99.4	-0.17
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	13.3 ± 0.21	0.629	106	1.13
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.0384 ± 0.001	0.00298	101	0.07
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.0843 ± 0.002	0.0121	97.4	-0.19
pH-value	-	7.54 ± 0.0389	7.67 ± 0.06	0.151	102	0.85
Sulfate (as SO ₄)	mg/l	106 ± 0.909	105 ± 1.5	3.49	99.2	-0.24
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.31 ± 0.032	0.148	98.9	-0.55

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.26 ± 0.044	0.193	85	-1.15

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.305 ± 0.01	0.0369	99.3	-0.06
Boron	mg/l	0.0176 ± 0.00104	0.0167 ± 0.0005	0.00211	95.1	-0.41
Calcium	mg/l	67.4 ± 0.625	68.2 ± 0.71	2.09	101	0.38
Chloride	mg/l	29.3 ± 0.251	29.9 ± 0.058	1.17	102	0.54
El. conductivity (25°C)	µS/cm	533 ± 1.36	524 ± 1.2	6.93	98.3	-1.33

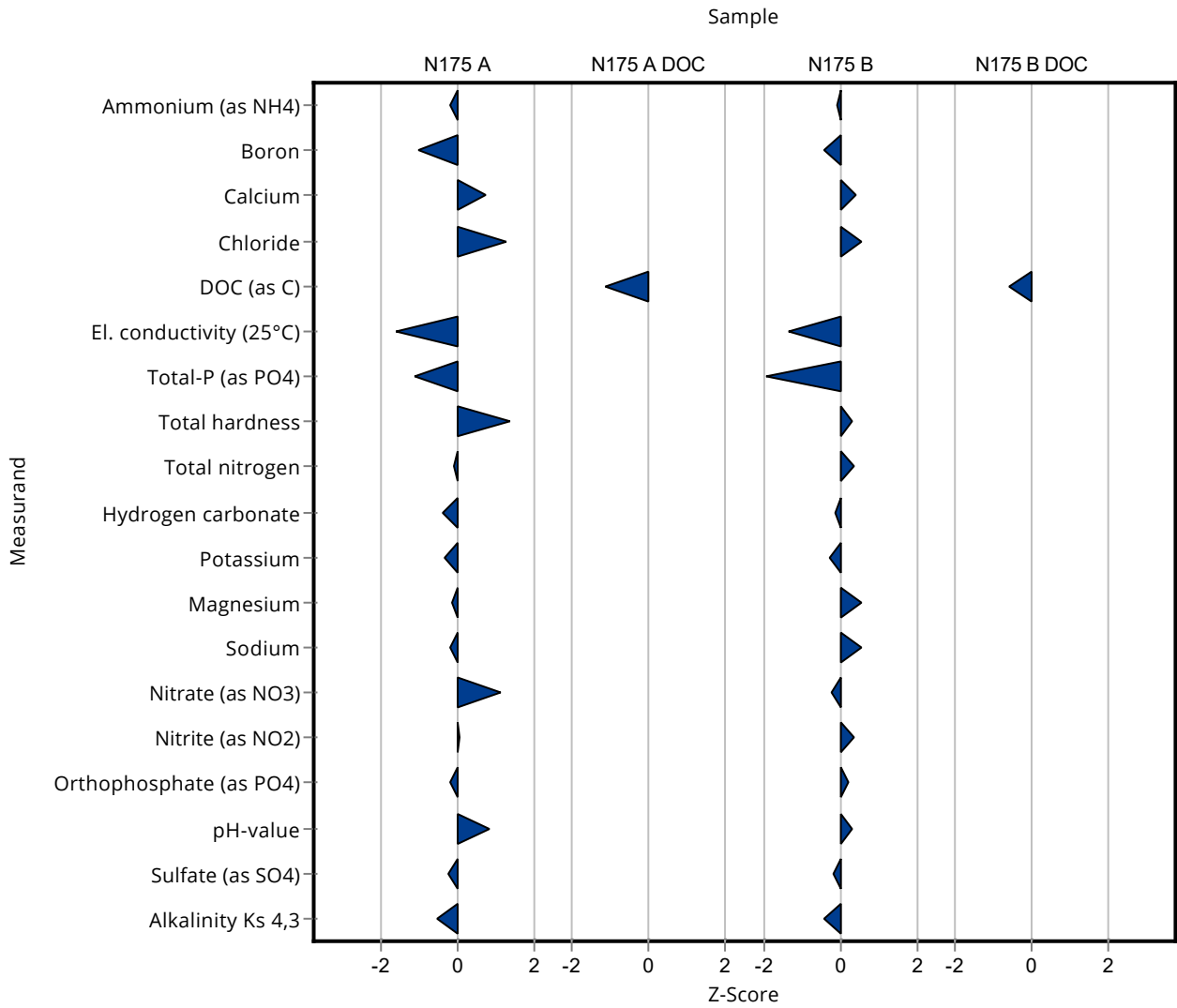
Summary of results Nutrients/Major Ions N175

Labcode: LC0003

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	1.85 ± 0.012	0.162	85.4	-1.94
Total hardness	mmol/l	2.34 ± 0.0174	2.36 ± 0.006	0.0701	101	0.33
Total nitrogen	mg/l	5.8 ± 0.138	5.98 ± 0.015	0.482	103	0.37
Hydrogen carbonate	mg/l	220 ± 0.967	220 ± 0.58	4.41	99.8	-0.11
Potassium	mg/l	2.58 ± 0.0293	2.54 ± 0.006	0.134	98.5	-0.29
Magnesium	mg/l	15.6 ± 0.182	15.9 ± 0.25	0.622	102	0.55
Sodium	mg/l	16.4 ± 0.195	16.7 ± 0.1	0.558	102	0.54
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	23 ± 0.12	1.16	98.8	-0.24
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.691 ± 0.001	0.036	102	0.35
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.383 ± 0.001	0.0629	103	0.20
pH-value	-	7.63 ± 0.0362	7.68 ± 0.006	0.153	101	0.31
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	31.9 ± 0.1	1.06	99.5	-0.16
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.61 ± 0.012	0.0728	99.2	-0.40

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.26 ± 0.081	0.346	94.2	-0.58



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.0328 ± 0.001	0.00643	96.9	-0.36
Boron	mg/l	0.0597 ± 0.00224	0.053 ± 0.002	0.00657	88.8	-1.46
Calcium	mg/l	165 ± 1.53	169 ± 4.7	5.12	102	0.40
Chloride	mg/l	102 ± 0.706	107 ± 1.5	4.07	105	1.72
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1139 ± 5.7	15.1	97.9	-2.07
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.148 ± 0.001	0.0121	91.7	-3.34
Total hardness	mmol/l	5.74 ± 0.0381	5.97 ± 0.11	0.172	104	1.04
Total nitrogen	mg/l	2.96 ± 0.0892	2.94 ± 0.095	0.246	99.2	-0.11
Hydrogen carbonate	mg/l	450 ± 1.44	446 ± 2.1	8.99	99.2	-0.81
Potassium	mg/l	2.56 ± 0.0428	2.52 ± 0.038	0.133	98.3	-0.51
Magnesium	mg/l	38.6 ± 0.337	38.4 ± 0.57	1.55	99.4	-0.19
Sodium	mg/l	26.5 ± 0.22	26.3 ± 0.44	0.899	99.4	-0.17
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	13.3 ± 0.21	0.629	106	1.60
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.0384 ± 0.001	0.00298	101	0.10
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.0843 ± 0.002	0.0121	97.4	-0.38
pH-value	-	7.54 ± 0.0389	7.67 ± 0.06	0.151	102	1.02
Sulfate (as SO ₄)	mg/l	106 ± 0.909	105 ± 1.5	3.49	99.2	-0.27
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.31 ± 0.032	0.148	98.9	-1.21

Sample: N175ADOC

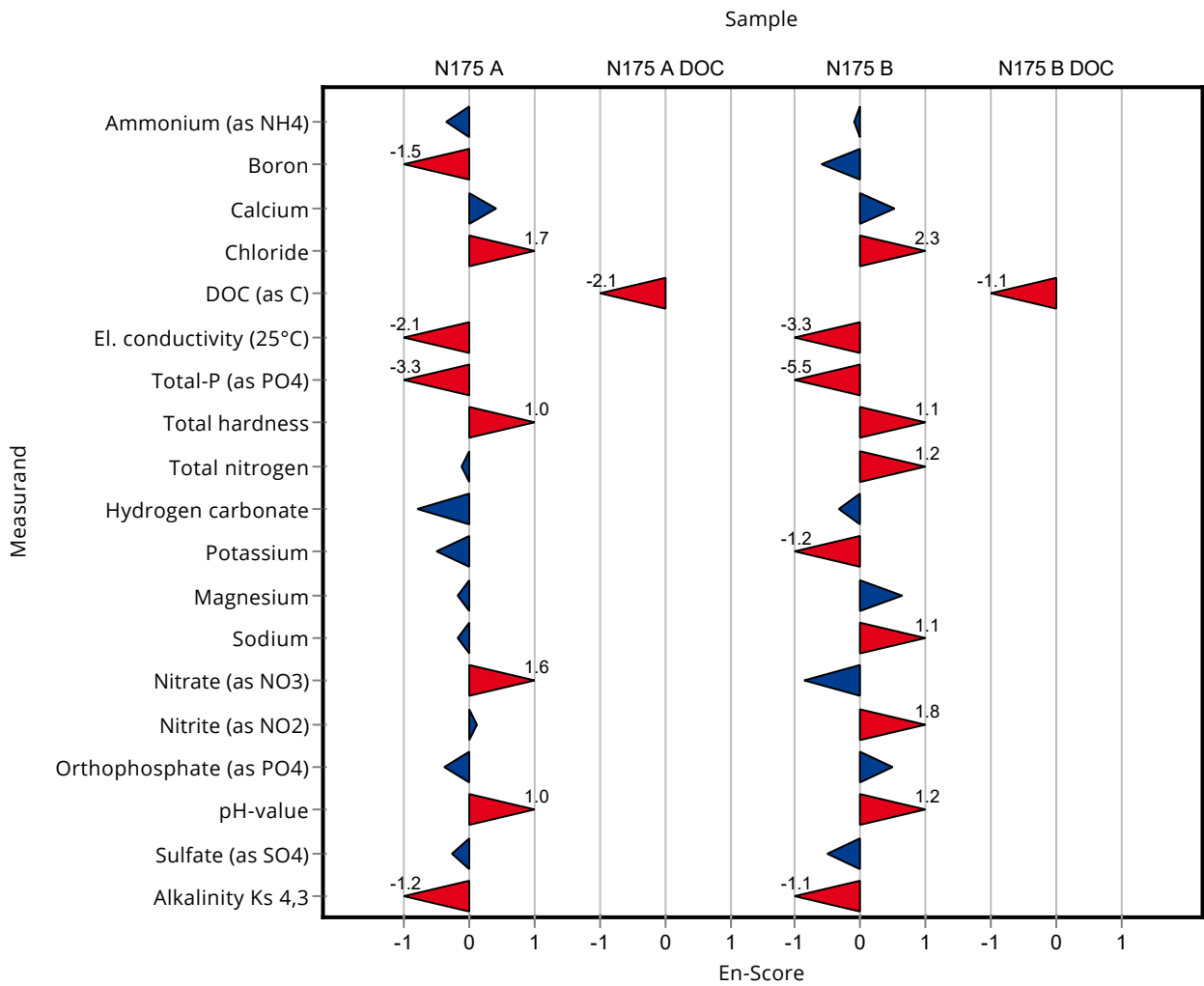
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.26 ± 0.044	0.193	85	-2.09

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.305 ± 0.01	0.0369	99.3	-0.11
Boron	mg/l	0.0176 ± 0.00104	0.0167 ± 0.0005	0.00211	95.1	-0.59
Calcium	mg/l	67.4 ± 0.625	68.2 ± 0.71	2.09	101	0.51
Chloride	mg/l	29.3 ± 0.251	29.9 ± 0.058	1.17	102	2.29
El. conductivity (25°C)	µS/cm	533 ± 1.36	524 ± 1.2	6.93	98.3	-3.35
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	1.85 ± 0.012	0.162	85.4	-5.48
Total hardness	mmol/l	2.34 ± 0.0174	2.36 ± 0.006	0.0701	101	1.08
Total nitrogen	mg/l	5.8 ± 0.138	5.98 ± 0.015	0.482	103	1.25
Hydrogen carbonate	mg/l	220 ± 0.967	220 ± 0.58	4.41	99.8	-0.32
Potassium	mg/l	2.58 ± 0.0293	2.54 ± 0.006	0.134	98.5	-1.23
Magnesium	mg/l	15.6 ± 0.182	15.9 ± 0.25	0.622	102	0.65
Sodium	mg/l	16.4 ± 0.195	16.7 ± 0.1	0.558	102	1.07
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	23 ± 0.12	1.16	98.8	-0.87
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.691 ± 0.001	0.036	102	1.77
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.383 ± 0.001	0.0629	103	0.50
pH-value	-	7.63 ± 0.0362	7.68 ± 0.006	0.153	101	1.24
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	31.9 ± 0.1	1.06	99.5	-0.52
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.61 ± 0.012	0.0728	99.2	-1.06

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.26 ± 0.081	0.346	94.2	-1.11



Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.04 ± 0.006	0.00643	118	0.96
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	- ± -	5.12	-	-
Chloride	mg/l	102 ± 0.706	102.24 ± 1	4.07	101	0.13
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1172 ± 8.3	15.1	101	0.57
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.16 ± 0.021	0.0121	99.1	-0.12
Total hardness	mmol/l	5.74 ± 0.0381	- ± -	0.172	-	-
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	446 ± 6.4	8.99	99.2	-0.40
Potassium	mg/l	2.56 ± 0.0428	- ± -	0.133	-	-
Magnesium	mg/l	38.6 ± 0.337	- ± -	1.55	-	-
Sodium	mg/l	26.5 ± 0.22	- ± -	0.899	-	-
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12.46 ± 0.85	0.629	99	-0.20
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.0382 ± 0.0038	0.00298	100	0.01
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.0844 ± 0.0099	0.0121	97.5	-0.18
pH-value	-	7.54 ± 0.0389	7.53 ± 0.01	0.151	99.9	-0.07
Sulfate (as SO ₄)	mg/l	106 ± 0.909	- ± -	3.49	-	-
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.34 ± 0.21	0.148	99.3	-0.35

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	- ± -	0.193	-	-

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.332 ± 0.05	0.0369	108	0.67
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	- ± -	2.09	-	-
Chloride	mg/l	29.3 ± 0.251	27.34 ± 0.28	1.17	93.4	-1.65
El. conductivity (25°C)	µS/cm	533 ± 1.36	537 ± 3.8	6.93	101	0.54

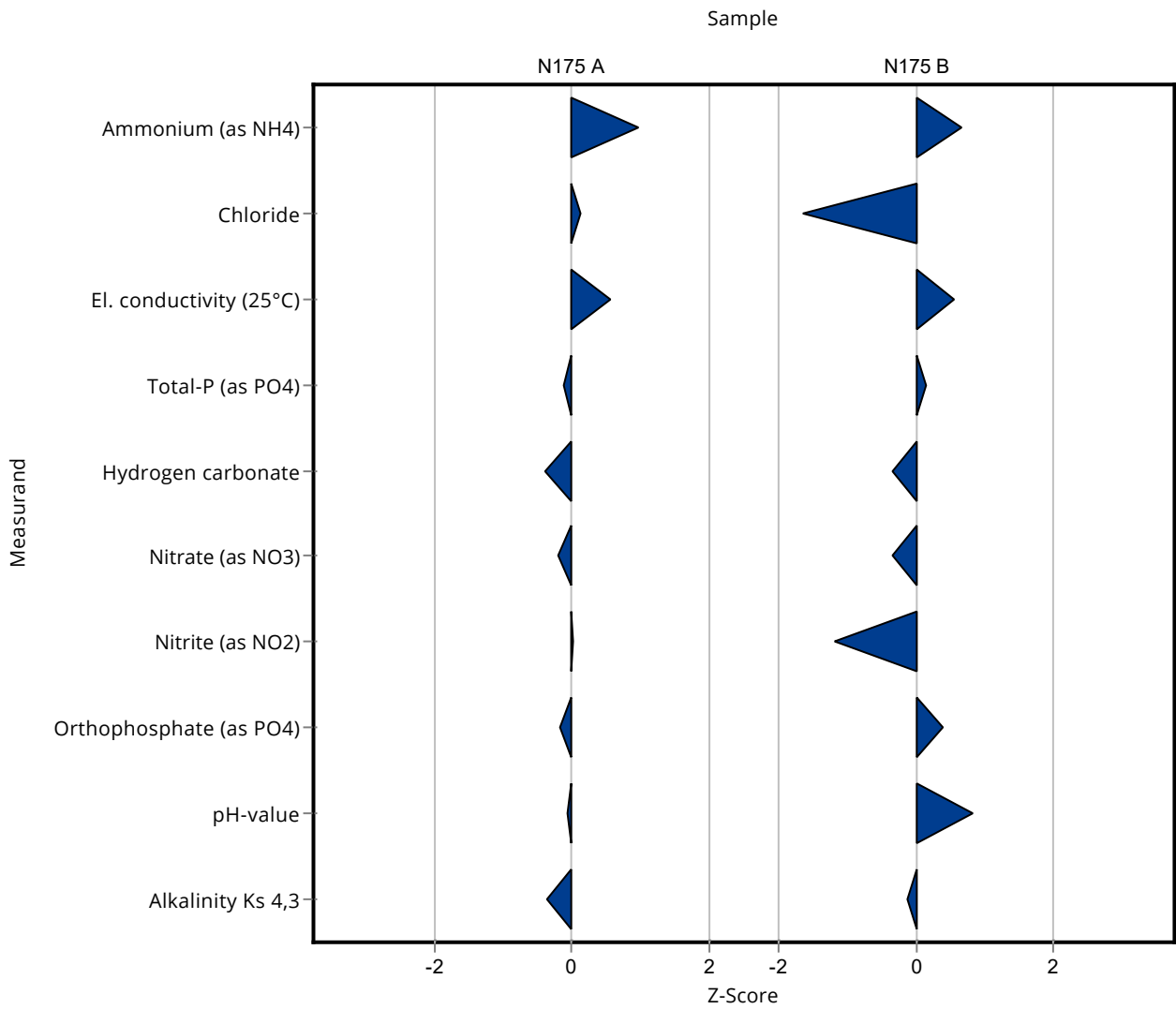
Summary of results Nutrients/Major Ions N175

Labcode: LC0004

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	2.19 ± 0.29	0.162	101	0.15
Total hardness	mmol/l	2.34 ± 0.0174	- ± -	0.0701	-	-
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	219 ± 3.2	4.41	99.3	-0.34
Potassium	mg/l	2.58 ± 0.0293	- ± -	0.134	-	-
Magnesium	mg/l	15.6 ± 0.182	- ± -	0.622	-	-
Sodium	mg/l	16.4 ± 0.195	- ± -	0.558	-	-
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	22.88 ± 1.57	1.16	98.3	-0.35
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.636 ± 0.064	0.036	93.8	-1.18
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.395 ± 0.046	0.0629	107	0.39
pH-value	-	7.63 ± 0.0362	7.76 ± 0.01	0.153	102	0.83
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	- ± -	1.06	-	-
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.63 ± 0.1	0.0728	99.7	-0.13

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	- ± -	0.346	-	-



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.04 ± 0.006	0.00643	118	0.50
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	- ± -	5.12	-	-
Chloride	mg/l	102 ± 0.706	102.24 ± 1	4.07	101	0.25
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1172 ± 8.3	15.1	101	0.51
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.16 ± 0.021	0.0121	99.1	-0.03
Total hardness	mmol/l	5.74 ± 0.0381	- ± -	0.172	-	-
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	446 ± 6.4	8.99	99.2	-0.28
Potassium	mg/l	2.56 ± 0.0428	- ± -	0.133	-	-
Magnesium	mg/l	38.6 ± 0.337	- ± -	1.55	-	-
Sodium	mg/l	26.5 ± 0.22	- ± -	0.899	-	-
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12.46 ± 0.85	0.629	99	-0.07
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.0382 ± 0.0038	0.00298	100	0.00
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.0844 ± 0.0099	0.0121	97.5	-0.11
pH-value	-	7.54 ± 0.0389	7.53 ± 0.01	0.151	99.9	-0.26
Sulfate (as SO ₄)	mg/l	106 ± 0.909	- ± -	3.49	-	-
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.34 ± 0.21	0.148	99.3	-0.12

Sample: N175ADOC

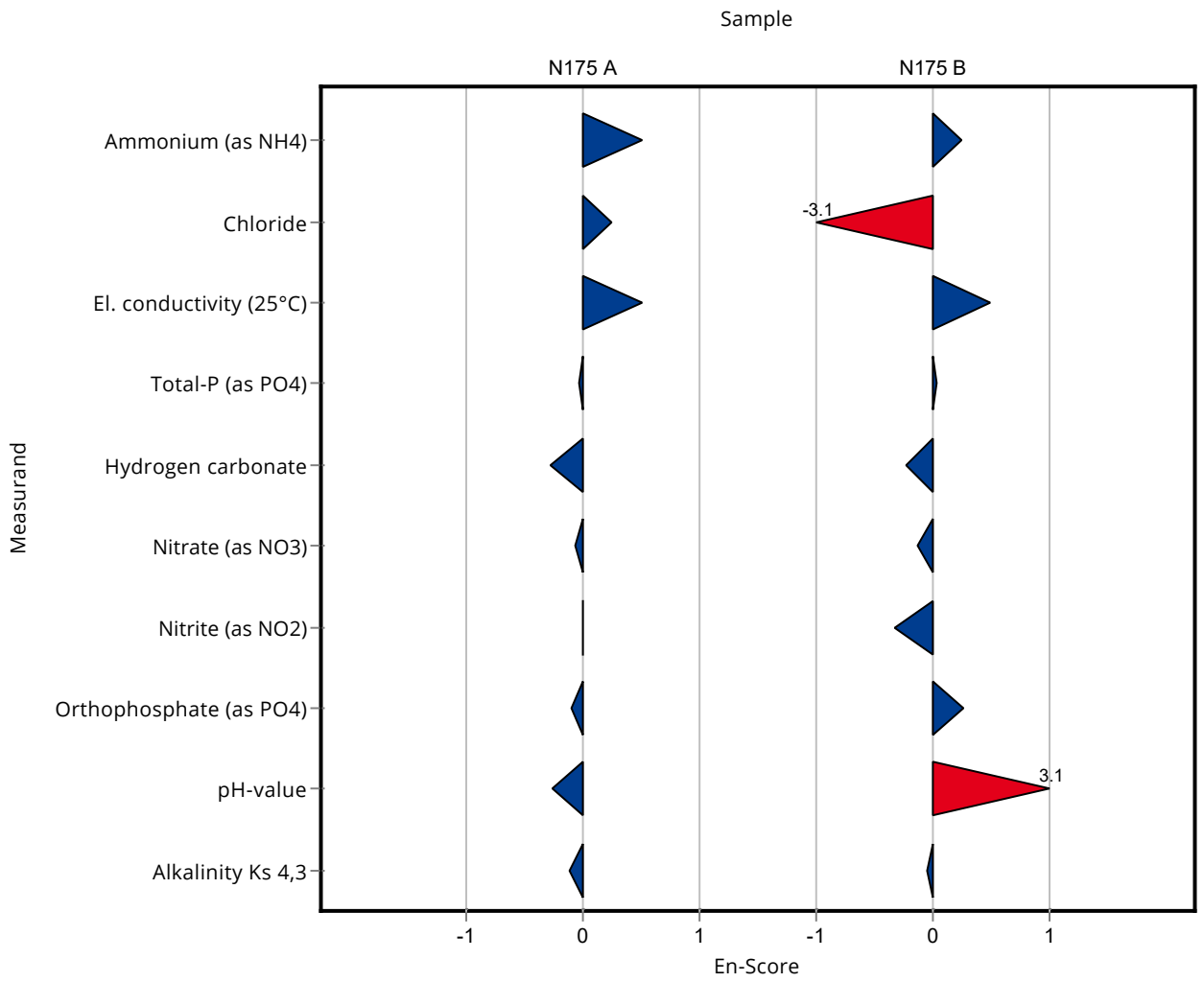
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	- ± -	0.193	-	-

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.332 ± 0.05	0.0369	108	0.25
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	- ± -	2.09	-	-
Chloride	mg/l	29.3 ± 0.251	27.34 ± 0.28	1.17	93.4	-3.14
El. conductivity (25°C)	µS/cm	533 ± 1.36	537 ± 3.8	6.93	101	0.49
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	2.19 ± 0.29	0.162	101	0.04
Total hardness	mmol/l	2.34 ± 0.0174	- ± -	0.0701	-	-
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	219 ± 3.2	4.41	99.3	-0.23
Potassium	mg/l	2.58 ± 0.0293	- ± -	0.134	-	-
Magnesium	mg/l	15.6 ± 0.182	- ± -	0.622	-	-
Sodium	mg/l	16.4 ± 0.195	- ± -	0.558	-	-
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	22.88 ± 1.57	1.16	98.3	-0.13
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.636 ± 0.064	0.036	93.8	-0.33
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.395 ± 0.046	0.0629	107	0.26
pH-value	-	7.63 ± 0.0362	7.76 ± 0.01	0.153	102	3.08
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	- ± -	1.06	-	-
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.63 ± 0.1	0.0728	99.7	-0.05

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	- ± -	0.346	-	-



Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.027 ± 0.0026	0.00643	79.8	-1.07
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	- ± -	5.12	-	-
Chloride	mg/l	102 ± 0.706	- ± -	4.07	-	-
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1145 ± 24	15.1	98.4	-1.21
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	- ± -	0.0121	-	-
Total hardness	mmol/l	5.74 ± 0.0381	- ± -	0.172	-	-
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	- ± -	8.99	-	-
Potassium	mg/l	2.56 ± 0.0428	- ± -	0.133	-	-
Magnesium	mg/l	38.6 ± 0.337	- ± -	1.55	-	-
Sodium	mg/l	26.5 ± 0.22	- ± -	0.899	-	-
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	- ± -	0.629	-	-
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	- ± -	0.00298	-	-
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	- ± -	0.0121	-	-
pH-value	-	7.54 ± 0.0389	7.31 ± 0.11	0.151	96.9	-1.53
Sulfate (as SO ₄)	mg/l	106 ± 0.909	- ± -	3.49	-	-
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	- ± -	0.148	-	-

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	- ± -	0.193	-	-

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.283 ± 0.0269	0.0369	92.1	-0.66
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	- ± -	2.09	-	-
Chloride	mg/l	29.3 ± 0.251	- ± -	1.17	-	-
El. conductivity (25°C)	µS/cm	533 ± 1.36	524 ± 11	6.93	98.3	-1.33

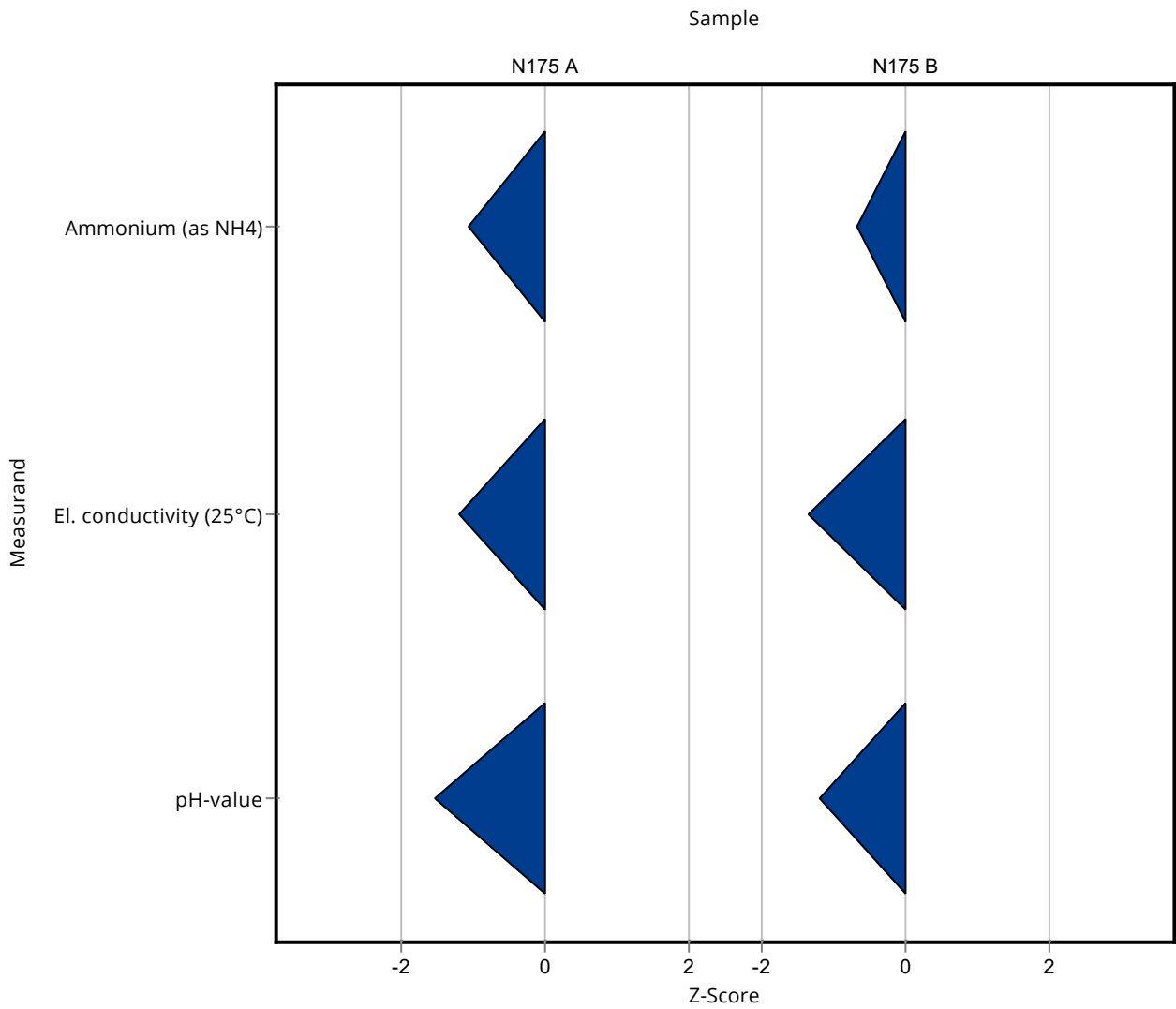
Summary of results Nutrients/Major Ions N175

Labcode: LC0005

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	- ± -	0.162	-	-
Total hardness	mmol/l	2.34 ± 0.0174	- ± -	0.0701	-	-
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	- ± -	4.41	-	-
Potassium	mg/l	2.58 ± 0.0293	- ± -	0.134	-	-
Magnesium	mg/l	15.6 ± 0.182	- ± -	0.622	-	-
Sodium	mg/l	16.4 ± 0.195	- ± -	0.558	-	-
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	- ± -	1.16	-	-
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	- ± -	0.036	-	-
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	- ± -	0.0629	-	-
pH-value	-	7.63 ± 0.0362	7.45 ± 0.11	0.153	97.6	-1.20
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	- ± -	1.06	-	-
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	- ± -	0.0728	-	-

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	- ± -	0.346	-	-



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.027 ± 0.0026	0.00643	79.8	-1.22
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	- ± -	5.12	-	-
Chloride	mg/l	102 ± 0.706	- ± -	4.07	-	-
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1145 ± 24	15.1	98.4	-0.38
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	- ± -	0.0121	-	-
Total hardness	mmol/l	5.74 ± 0.0381	- ± -	0.172	-	-
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	- ± -	8.99	-	-
Potassium	mg/l	2.56 ± 0.0428	- ± -	0.133	-	-
Magnesium	mg/l	38.6 ± 0.337	- ± -	1.55	-	-
Sodium	mg/l	26.5 ± 0.22	- ± -	0.899	-	-
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	- ± -	0.629	-	-
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	- ± -	0.00298	-	-
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	- ± -	0.0121	-	-
pH-value	-	7.54 ± 0.0389	7.31 ± 0.11	0.151	96.9	-1.04
Sulfate (as SO ₄)	mg/l	106 ± 0.909	- ± -	3.49	-	-
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	- ± -	0.148	-	-

Sample: N175ADOC

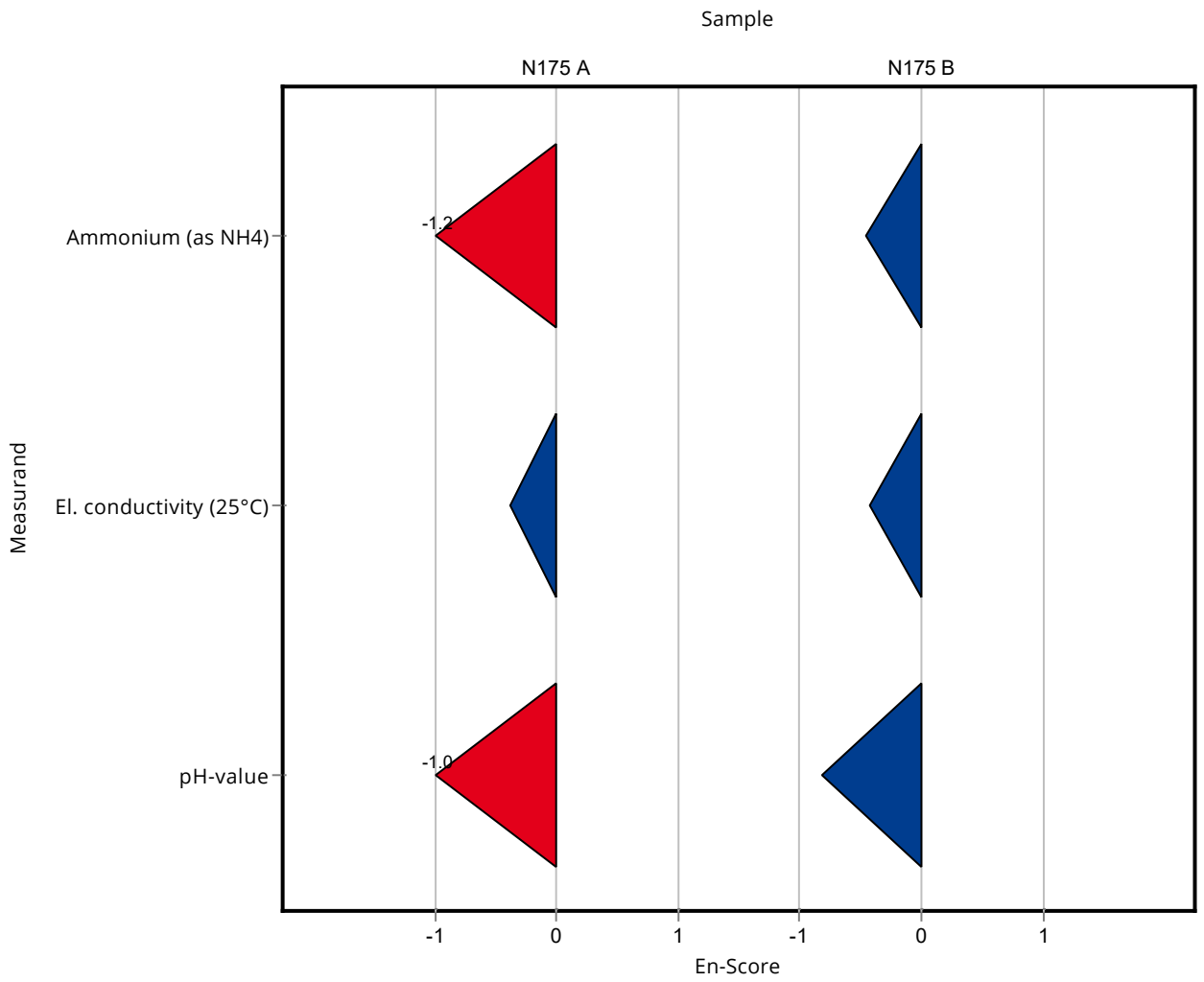
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	- ± -	0.193	-	-

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.283 ± 0.0269	0.0369	92.1	-0.45
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	- ± -	2.09	-	-
Chloride	mg/l	29.3 ± 0.251	- ± -	1.17	-	-
El. conductivity (25°C)	µS/cm	533 ± 1.36	524 ± 11	6.93	98.3	-0.42
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	- ± -	0.162	-	-
Total hardness	mmol/l	2.34 ± 0.0174	- ± -	0.0701	-	-
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	- ± -	4.41	-	-
Potassium	mg/l	2.58 ± 0.0293	- ± -	0.134	-	-
Magnesium	mg/l	15.6 ± 0.182	- ± -	0.622	-	-
Sodium	mg/l	16.4 ± 0.195	- ± -	0.558	-	-
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	- ± -	1.16	-	-
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	- ± -	0.036	-	-
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	- ± -	0.0629	-	-
pH-value	-	7.63 ± 0.0362	7.45 ± 0.11	0.153	97.6	-0.82
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	- ± -	1.06	-	-
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	- ± -	0.0728	-	-

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	- ± -	0.346	-	-



Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.033 ± 0.004	0.00643	97.5	-0.13
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	169 ± 14	5.12	102	0.75
Chloride	mg/l	102 ± 0.706	103 ± 9	4.07	101	0.32
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1160 ± 47	15.1	99.7	-0.22
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.165 ± 0.02	0.0121	102	0.30
Total hardness	mmol/l	5.74 ± 0.0381	5.8 ± 0.2	0.172	101	0.37
Total nitrogen	mg/l	2.96 ± 0.0892	2.95 ± 0.27	0.246	99.5	-0.06
Hydrogen carbonate	mg/l	450 ± 1.44	452 ± 19	8.99	101	0.27
Potassium	mg/l	2.56 ± 0.0428	2.4 ± 0.4	0.133	93.6	-1.23
Magnesium	mg/l	38.6 ± 0.337	38.4 ± 5	1.55	99.4	-0.15
Sodium	mg/l	26.5 ± 0.22	26.6 ± 4	0.899	101	0.16
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12.8 ± 1.1	0.629	102	0.34
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.039 ± 0.003	0.00298	102	0.28
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.095 ± 0.019	0.0121	110	0.70
pH-value	-	7.54 ± 0.0389	7.48 ± 0.3	0.151	99.2	-0.41
Sulfate (as SO ₄)	mg/l	106 ± 0.909	109 ± 8	3.49	103	0.91
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.46 ± 0.3	0.148	101	0.46

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.42 ± 0.3	0.193	95.8	-0.32

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.293 ± 0.04	0.0369	95.4	-0.39
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	67.1 ± 6	2.09	99.6	-0.14
Chloride	mg/l	29.3 ± 0.251	29.7 ± 3	1.17	101	0.37
El. conductivity (25°C)	µS/cm	533 ± 1.36	533 ± 22	6.93	100	-0.03

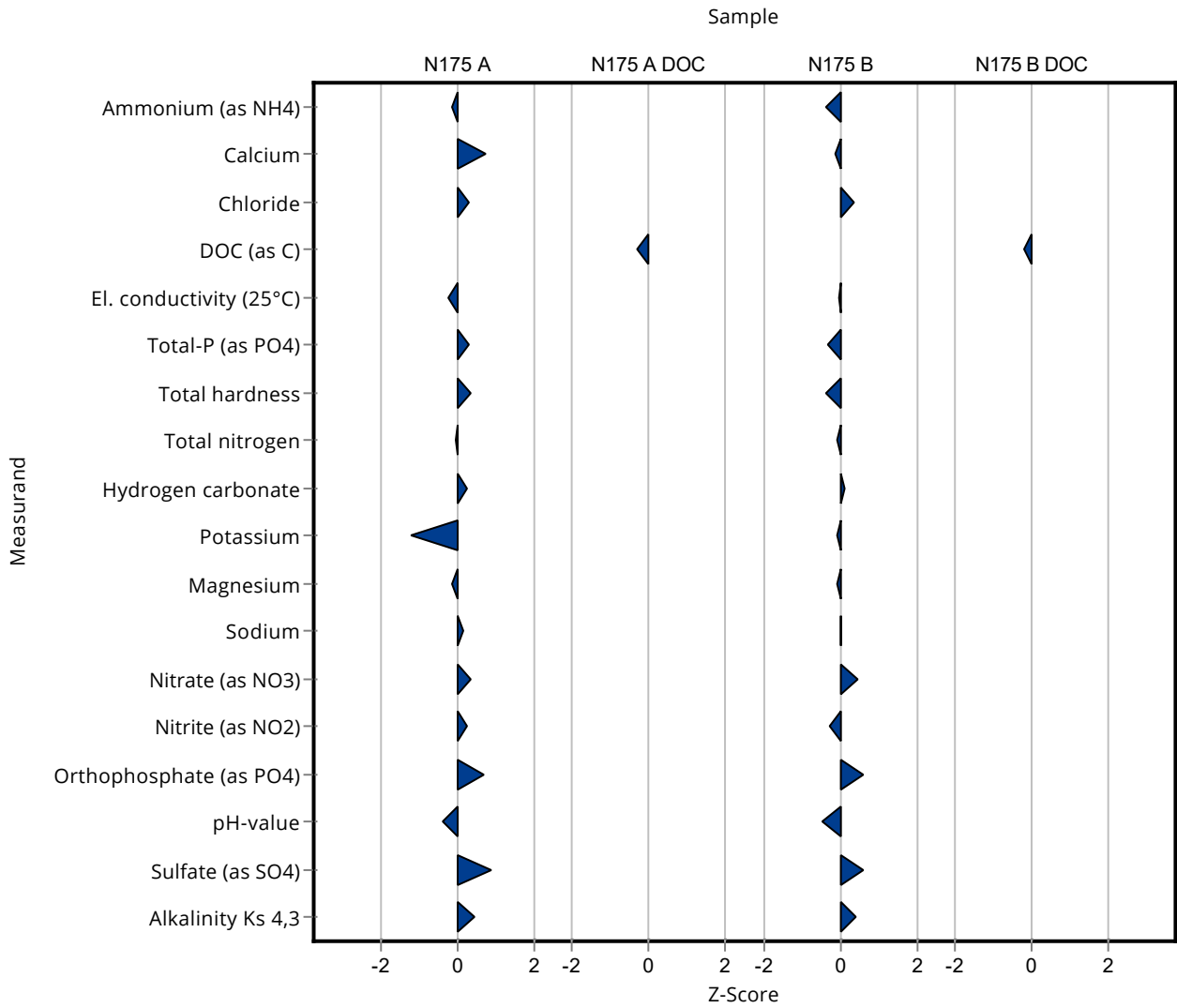
Summary of results Nutrients/Major Ions N175

Labcode: LC0006

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	2.11 ± 0.2	0.162	97.4	-0.34
Total hardness	mmol/l	2.34 ± 0.0174	2.31 ± 0.1	0.0701	98.8	-0.39
Total nitrogen	mg/l	5.8 ± 0.138	5.76 ± 0.52	0.482	99.2	-0.09
Hydrogen carbonate	mg/l	220 ± 0.967	221 ± 9	4.41	100	0.12
Potassium	mg/l	2.58 ± 0.0293	2.57 ± 0.4	0.134	99.7	-0.07
Magnesium	mg/l	15.6 ± 0.182	15.5 ± 1.9	0.622	99.6	-0.09
Sodium	mg/l	16.4 ± 0.195	16.4 ± 2.5	0.558	100	0.00
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	23.8 ± 2	1.16	102	0.44
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.669 ± 0.05	0.036	98.6	-0.26
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.407 ± 0.08	0.0629	110	0.58
pH-value	-	7.63 ± 0.0362	7.56 ± 0.4	0.153	99	-0.48
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	32.7 ± 3	1.06	102	0.59
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.67 ± 0.2	0.0728	101	0.42

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.4 ± 0.6	0.346	98.2	-0.18



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.033 ± 0.004	0.00643	97.5	-0.10
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	169 ± 14	5.12	102	0.14
Chloride	mg/l	102 ± 0.706	103 ± 9	4.07	101	0.07
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1160 ± 47	15.1	99.7	-0.04
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.165 ± 0.02	0.0121	102	0.09
Total hardness	mmol/l	5.74 ± 0.0381	5.8 ± 0.2	0.172	101	0.16
Total nitrogen	mg/l	2.96 ± 0.0892	2.95 ± 0.27	0.246	99.5	-0.03
Hydrogen carbonate	mg/l	450 ± 1.44	452 ± 19	8.99	101	0.06
Potassium	mg/l	2.56 ± 0.0428	2.4 ± 0.4	0.133	93.6	-0.20
Magnesium	mg/l	38.6 ± 0.337	38.4 ± 5	1.55	99.4	-0.02
Sodium	mg/l	26.5 ± 0.22	26.6 ± 4	0.899	101	0.02
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12.8 ± 1.1	0.629	102	0.10
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.039 ± 0.003	0.00298	102	0.13
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.095 ± 0.019	0.0121	110	0.22
pH-value	-	7.54 ± 0.0389	7.48 ± 0.3	0.151	99.2	-0.10
Sulfate (as SO ₄)	mg/l	106 ± 0.909	109 ± 8	3.49	103	0.20
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.46 ± 0.3	0.148	101	0.11

Sample: N175ADOC

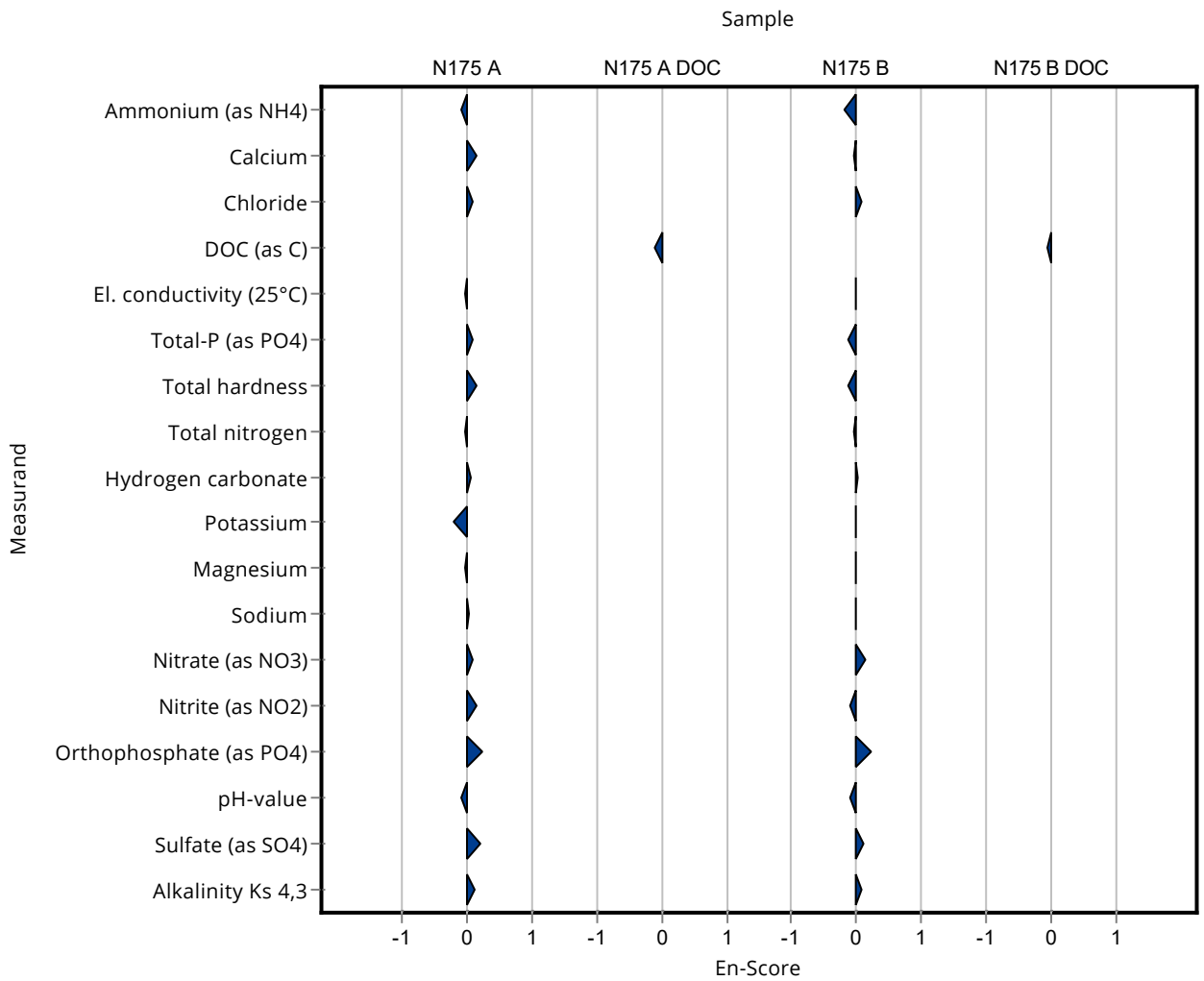
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.42 ± 0.3	0.193	95.8	-0.10

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.293 ± 0.04	0.0369	95.4	-0.18
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	67.1 ± 6	2.09	99.6	-0.03
Chloride	mg/l	29.3 ± 0.251	29.7 ± 3	1.17	101	0.07
El. conductivity (25°C)	µS/cm	533 ± 1.36	533 ± 22	6.93	100	-0.01
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	2.11 ± 0.2	0.162	97.4	-0.14
Total hardness	mmol/l	2.34 ± 0.0174	2.31 ± 0.1	0.0701	98.8	-0.14
Total nitrogen	mg/l	5.8 ± 0.138	5.76 ± 0.52	0.482	99.2	-0.04
Hydrogen carbonate	mg/l	220 ± 0.967	221 ± 9	4.41	100	0.03
Potassium	mg/l	2.58 ± 0.0293	2.57 ± 0.4	0.134	99.7	-0.01
Magnesium	mg/l	15.6 ± 0.182	15.5 ± 1.9	0.622	99.6	-0.01
Sodium	mg/l	16.4 ± 0.195	16.4 ± 2.5	0.558	100	0.00
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	23.8 ± 2	1.16	102	0.13
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.669 ± 0.05	0.036	98.6	-0.09
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.407 ± 0.08	0.0629	110	0.23
pH-value	-	7.63 ± 0.0362	7.56 ± 0.4	0.153	99	-0.09
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	32.7 ± 3	1.06	102	0.10
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.67 ± 0.2	0.0728	101	0.08

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.4 ± 0.6	0.346	98.2	-0.05



Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	- ± -	0.00643	-	-
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	- ± -	5.12	-	-
Chloride	mg/l	102 ± 0.706	- ± -	4.07	-	-
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1170 ± 10	15.1	101	0.44
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	- ± -	0.0121	-	-
Total hardness	mmol/l	5.74 ± 0.0381	- ± -	0.172	-	-
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	- ± -	8.99	-	-
Potassium	mg/l	2.56 ± 0.0428	- ± -	0.133	-	-
Magnesium	mg/l	38.6 ± 0.337	- ± -	1.55	-	-
Sodium	mg/l	26.5 ± 0.22	- ± -	0.899	-	-
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	- ± -	0.629	-	-
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	- ± -	0.00298	-	-
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	- ± -	0.0121	-	-
pH-value	-	7.54 ± 0.0389	7.51 ± 0.1	0.151	99.6	-0.21
Sulfate (as SO ₄)	mg/l	106 ± 0.909	- ± -	3.49	-	-
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	- ± -	0.148	-	-

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	- ± -	0.193	-	-

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	- ± -	0.0369	-	-
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	- ± -	2.09	-	-
Chloride	mg/l	29.3 ± 0.251	- ± -	1.17	-	-
El. conductivity (25°C)	µS/cm	533 ± 1.36	538 ± 10	6.93	101	0.69

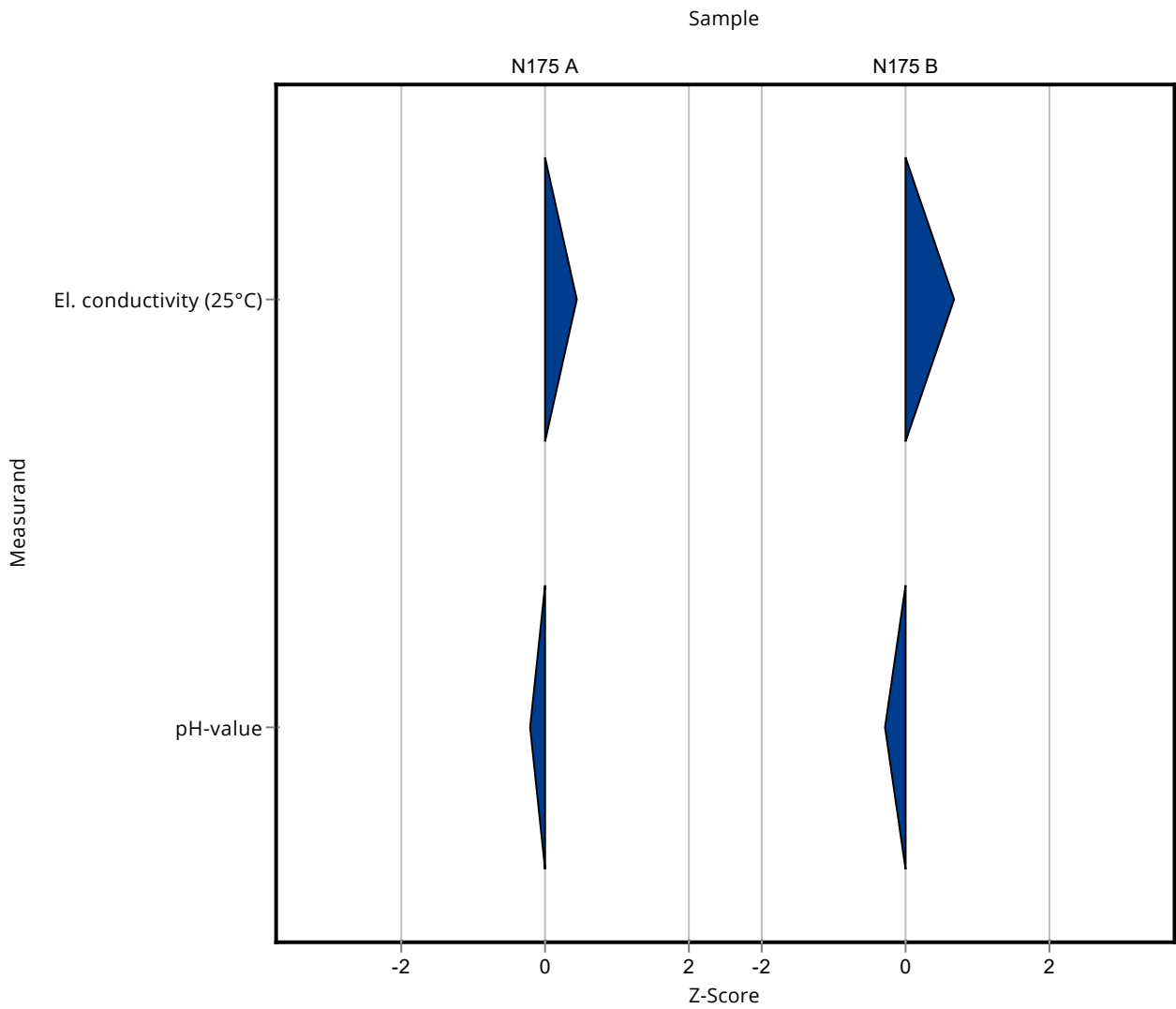
Summary of results Nutrients/Major Ions N175

Labcode: LC0007

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO4)	mg/l	2.17 ± 0.0523	- ± -	0.162	-	-
Total hardness	mmol/l	2.34 ± 0.0174	- ± -	0.0701	-	-
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	- ± -	4.41	-	-
Potassium	mg/l	2.58 ± 0.0293	- ± -	0.134	-	-
Magnesium	mg/l	15.6 ± 0.182	- ± -	0.622	-	-
Sodium	mg/l	16.4 ± 0.195	- ± -	0.558	-	-
Nitrate (as NO3)	mg/l	23.3 ± 0.218	- ± -	1.16	-	-
Nitrite (as NO2)	mg/l	0.678 ± 0.00681	- ± -	0.036	-	-
Orthophosphate (as PO4)	mg/l	0.37 ± 0.0253	- ± -	0.0629	-	-
pH-value	-	7.63 ± 0.0362	7.59 ± 0.1	0.153	99.4	-0.28
Sulfate (as SO4)	mg/l	32.1 ± 0.266	- ± -	1.06	-	-
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	- ± -	0.0728	-	-

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	- ± -	0.346	-	-



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	- ± -	0.00643	-	-
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	- ± -	5.12	-	-
Chloride	mg/l	102 ± 0.706	- ± -	4.07	-	-
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1170 ± 10	15.1	101	0.33
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	- ± -	0.0121	-	-
Total hardness	mmol/l	5.74 ± 0.0381	- ± -	0.172	-	-
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	- ± -	8.99	-	-
Potassium	mg/l	2.56 ± 0.0428	- ± -	0.133	-	-
Magnesium	mg/l	38.6 ± 0.337	- ± -	1.55	-	-
Sodium	mg/l	26.5 ± 0.22	- ± -	0.899	-	-
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	- ± -	0.629	-	-
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	- ± -	0.00298	-	-
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	- ± -	0.0121	-	-
pH-value	-	7.54 ± 0.0389	7.51 ± 0.1	0.151	99.6	-0.15
Sulfate (as SO ₄)	mg/l	106 ± 0.909	- ± -	3.49	-	-
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	- ± -	0.148	-	-

Sample: N175ADOC

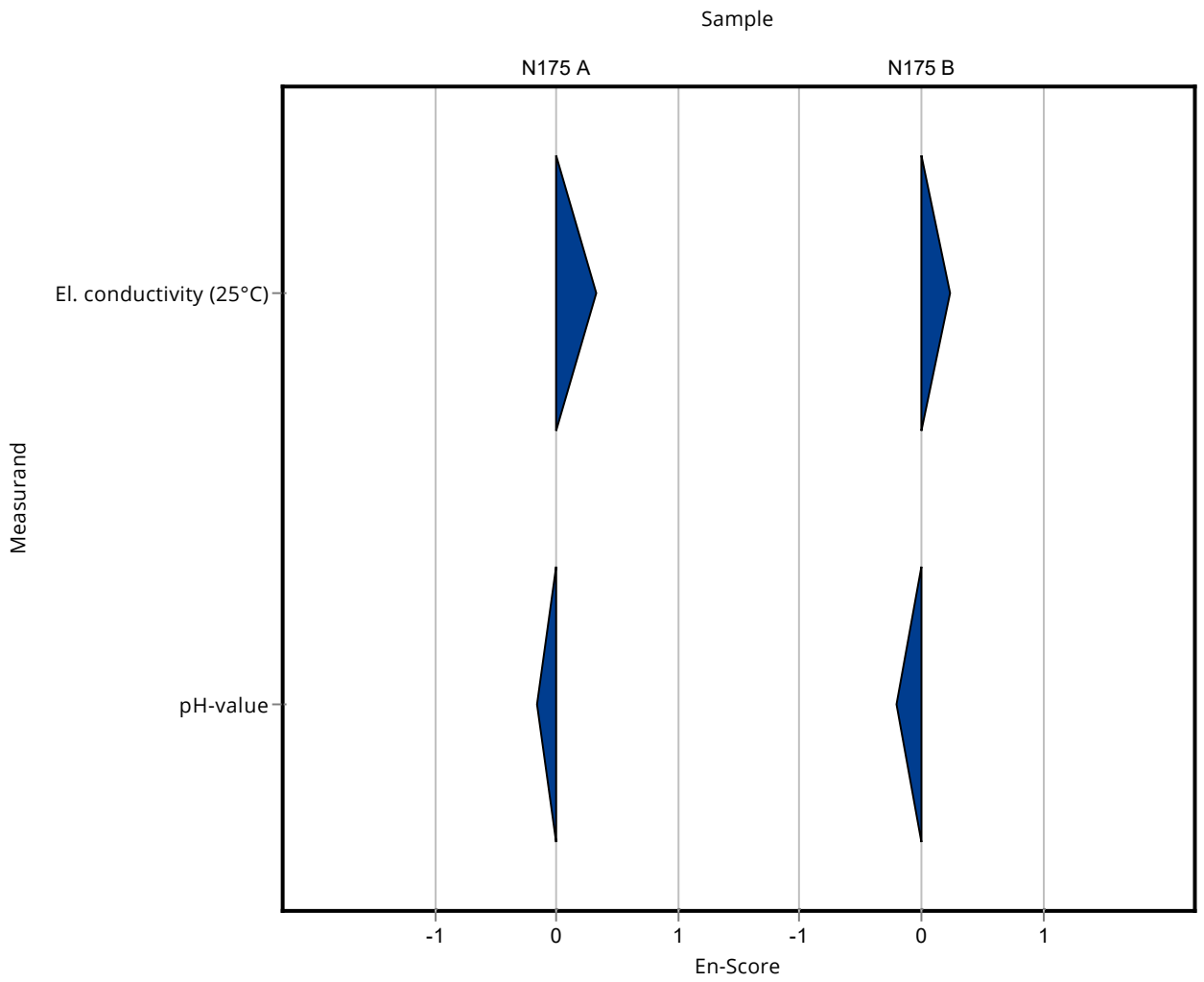
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	- ± -	0.193	-	-

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	- ± -	0.0369	-	-
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	- ± -	2.09	-	-
Chloride	mg/l	29.3 ± 0.251	- ± -	1.17	-	-
El. conductivity (25°C)	µS/cm	533 ± 1.36	538 ± 10	6.93	101	0.24
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	- ± -	0.162	-	-
Total hardness	mmol/l	2.34 ± 0.0174	- ± -	0.0701	-	-
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	- ± -	4.41	-	-
Potassium	mg/l	2.58 ± 0.0293	- ± -	0.134	-	-
Magnesium	mg/l	15.6 ± 0.182	- ± -	0.622	-	-
Sodium	mg/l	16.4 ± 0.195	- ± -	0.558	-	-
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	- ± -	1.16	-	-
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	- ± -	0.036	-	-
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	- ± -	0.0629	-	-
pH-value	-	7.63 ± 0.0362	7.59 ± 0.1	0.153	99.4	-0.21
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	- ± -	1.06	-	-
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	- ± -	0.0728	-	-

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	- ± -	0.346	-	-



Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	- ± -	0.00643	-	-
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	- ± -	5.12	-	-
Chloride	mg/l	102 ± 0.706	- ± -	4.07	-	-
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1160 ± 16.2	15.1	99.7	-0.22
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	- ± -	0.0121	-	-
Total hardness	mmol/l	5.74 ± 0.0381	- ± -	0.172	-	-
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	- ± -	8.99	-	-
Potassium	mg/l	2.56 ± 0.0428	- ± -	0.133	-	-
Magnesium	mg/l	38.6 ± 0.337	- ± -	1.55	-	-
Sodium	mg/l	26.5 ± 0.22	- ± -	0.899	-	-
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	- ± -	0.629	-	-
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	- ± -	0.00298	-	-
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	- ± -	0.0121	-	-
pH-value	-	7.54 ± 0.0389	7.43 ± 0.14	0.151	98.5	-0.74
Sulfate (as SO ₄)	mg/l	106 ± 0.909	- ± -	3.49	-	-
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.39 ± 0.5	0.148	100	-0.01

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	- ± -	0.193	-	-

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	- ± -	0.0369	-	-
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	- ± -	2.09	-	-
Chloride	mg/l	29.3 ± 0.251	- ± -	1.17	-	-
El. conductivity (25°C)	µS/cm	533 ± 1.36	535 ± 7.49	6.93	100	0.25

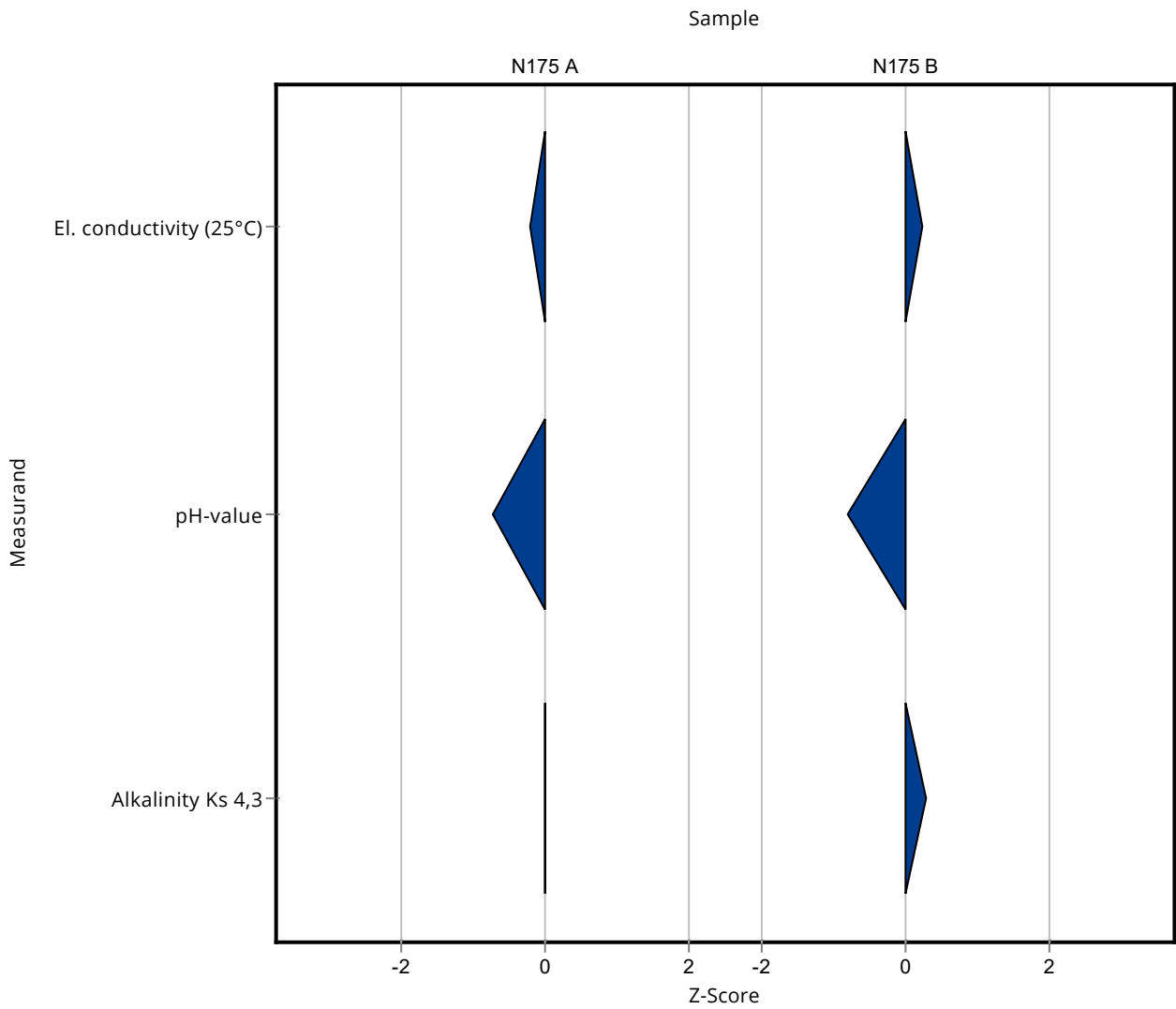
Summary of results Nutrients/Major Ions N175

Labcode: LC0008

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	- ± -	0.162	-	-
Total hardness	mmol/l	2.34 ± 0.0174	- ± -	0.0701	-	-
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	- ± -	4.41	-	-
Potassium	mg/l	2.58 ± 0.0293	- ± -	0.134	-	-
Magnesium	mg/l	15.6 ± 0.182	- ± -	0.622	-	-
Sodium	mg/l	16.4 ± 0.195	- ± -	0.558	-	-
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	- ± -	1.16	-	-
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	- ± -	0.036	-	-
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	- ± -	0.0629	-	-
pH-value	-	7.63 ± 0.0362	7.51 ± 0.14	0.153	98.4	-0.80
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	- ± -	1.06	-	-
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.66 ± 0.25	0.0728	101	0.29

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	- ± -	0.346	-	-



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	- ± -	0.00643	-	-
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	- ± -	5.12	-	-
Chloride	mg/l	102 ± 0.706	- ± -	4.07	-	-
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1160 ± 16.2	15.1	99.7	-0.10
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	- ± -	0.0121	-	-
Total hardness	mmol/l	5.74 ± 0.0381	- ± -	0.172	-	-
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	- ± -	8.99	-	-
Potassium	mg/l	2.56 ± 0.0428	- ± -	0.133	-	-
Magnesium	mg/l	38.6 ± 0.337	- ± -	1.55	-	-
Sodium	mg/l	26.5 ± 0.22	- ± -	0.899	-	-
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	- ± -	0.629	-	-
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	- ± -	0.00298	-	-
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	- ± -	0.0121	-	-
pH-value	-	7.54 ± 0.0389	7.43 ± 0.14	0.151	98.5	-0.39
Sulfate (as SO ₄)	mg/l	106 ± 0.909	- ± -	3.49	-	-
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.39 ± 0.5	0.148	100	0.00

Sample: N175ADOC

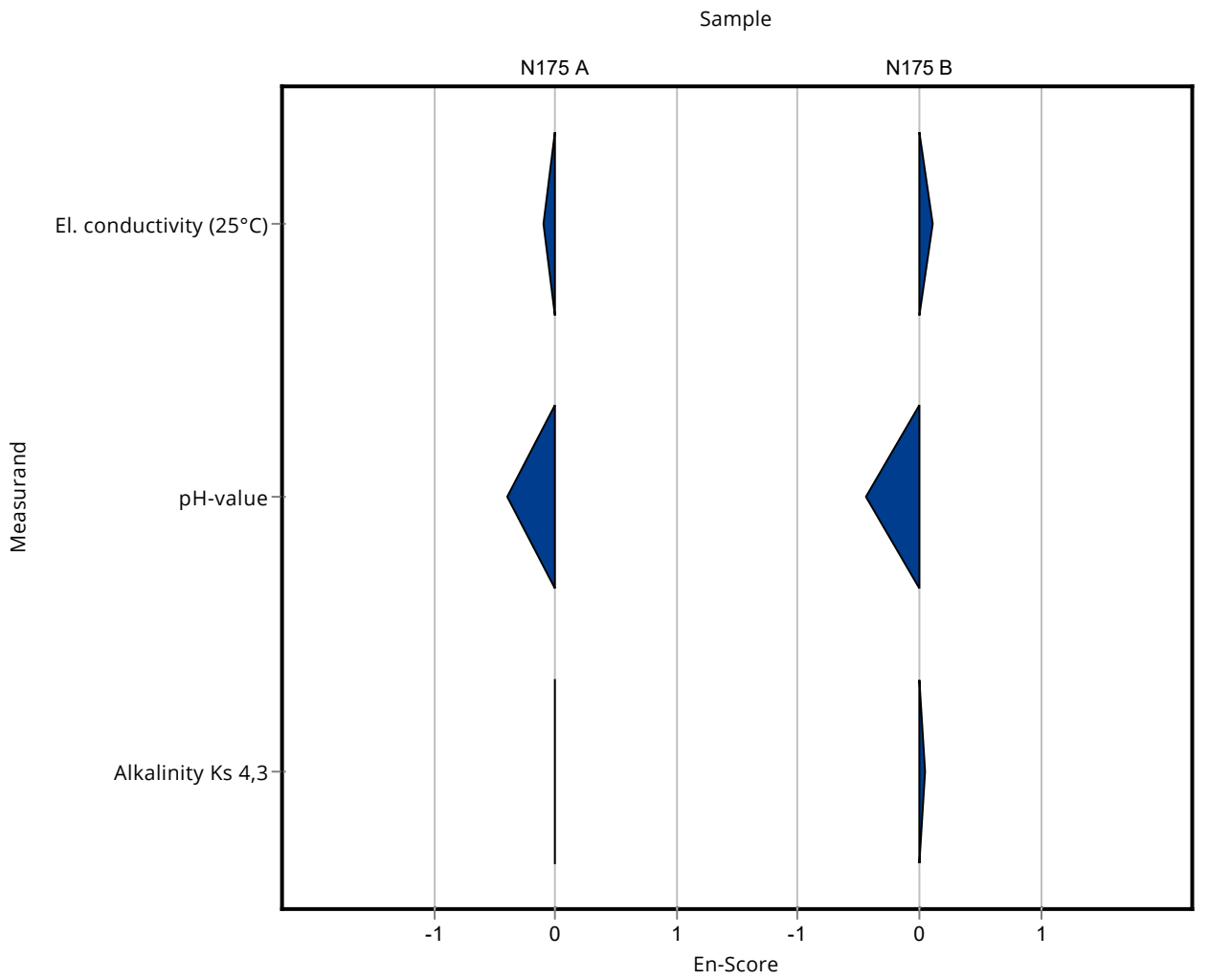
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	- ± -	0.193	-	-

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	- ± -	0.0369	-	-
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	- ± -	2.09	-	-
Chloride	mg/l	29.3 ± 0.251	- ± -	1.17	-	-
El. conductivity (25°C)	µS/cm	533 ± 1.36	535 ± 7.49	6.93	100	0.12
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	- ± -	0.162	-	-
Total hardness	mmol/l	2.34 ± 0.0174	- ± -	0.0701	-	-
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	- ± -	4.41	-	-
Potassium	mg/l	2.58 ± 0.0293	- ± -	0.134	-	-
Magnesium	mg/l	15.6 ± 0.182	- ± -	0.622	-	-
Sodium	mg/l	16.4 ± 0.195	- ± -	0.558	-	-
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	- ± -	1.16	-	-
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	- ± -	0.036	-	-
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	- ± -	0.0629	-	-
pH-value	-	7.63 ± 0.0362	7.51 ± 0.14	0.153	98.4	-0.43
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	- ± -	1.06	-	-
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.66 ± 0.25	0.0728	101	0.04

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	- ± -	0.346	-	-



Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.0413 ± 0.00159	0.00643	122	1.16
Boron	mg/l	0.0597 ± 0.00224	0.059 ± 0.000587	0.00657	98.8	-0.11
Calcium	mg/l	165 ± 1.53	165 ± 1.88	5.12	99.9	-0.03
Chloride	mg/l	102 ± 0.706	104 ± 0.36	4.07	102	0.56
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1156 ± 0.509	15.1	99.4	-0.49
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.177 ± 0.00381	0.0121	110	1.29
Total hardness	mmol/l	5.74 ± 0.0381	5.69 ± 0.0483	0.172	99.2	-0.27
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	446 ± 8.93	8.99	99.2	-0.40
Potassium	mg/l	2.56 ± 0.0428	2.62 ± 0.0228	0.133	102	0.42
Magnesium	mg/l	38.6 ± 0.337	38.5 ± 0.27	1.55	99.7	-0.08
Sodium	mg/l	26.5 ± 0.22	26.6 ± 0.268	0.899	101	0.16
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12.8 ± 0.37	0.629	102	0.34
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.0382 ± 0.00106	0.00298	100	0.01
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.0854 ± 0.00115	0.0121	98.7	-0.10
pH-value	-	7.54 ± 0.0389	7.71 ± 0.0771	0.151	102	1.12
Sulfate (as SO ₄)	mg/l	106 ± 0.909	109 ± 1.43	3.49	103	0.91
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.37 ± 0.196	0.148	99.7	-0.14

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.62 ± 0.123	0.193	109	0.72

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.339 ± 0.00807	0.0369	110	0.86
Boron	mg/l	0.0176 ± 0.00104	<0.02 (LOQ) ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	70 ± 0.378	2.09	104	1.24
Chloride	mg/l	29.3 ± 0.251	29.9 ± 0.0947	1.17	102	0.54
El. conductivity (25°C)	µS/cm	533 ± 1.36	531 ± 0.0636	6.93	99.6	-0.32

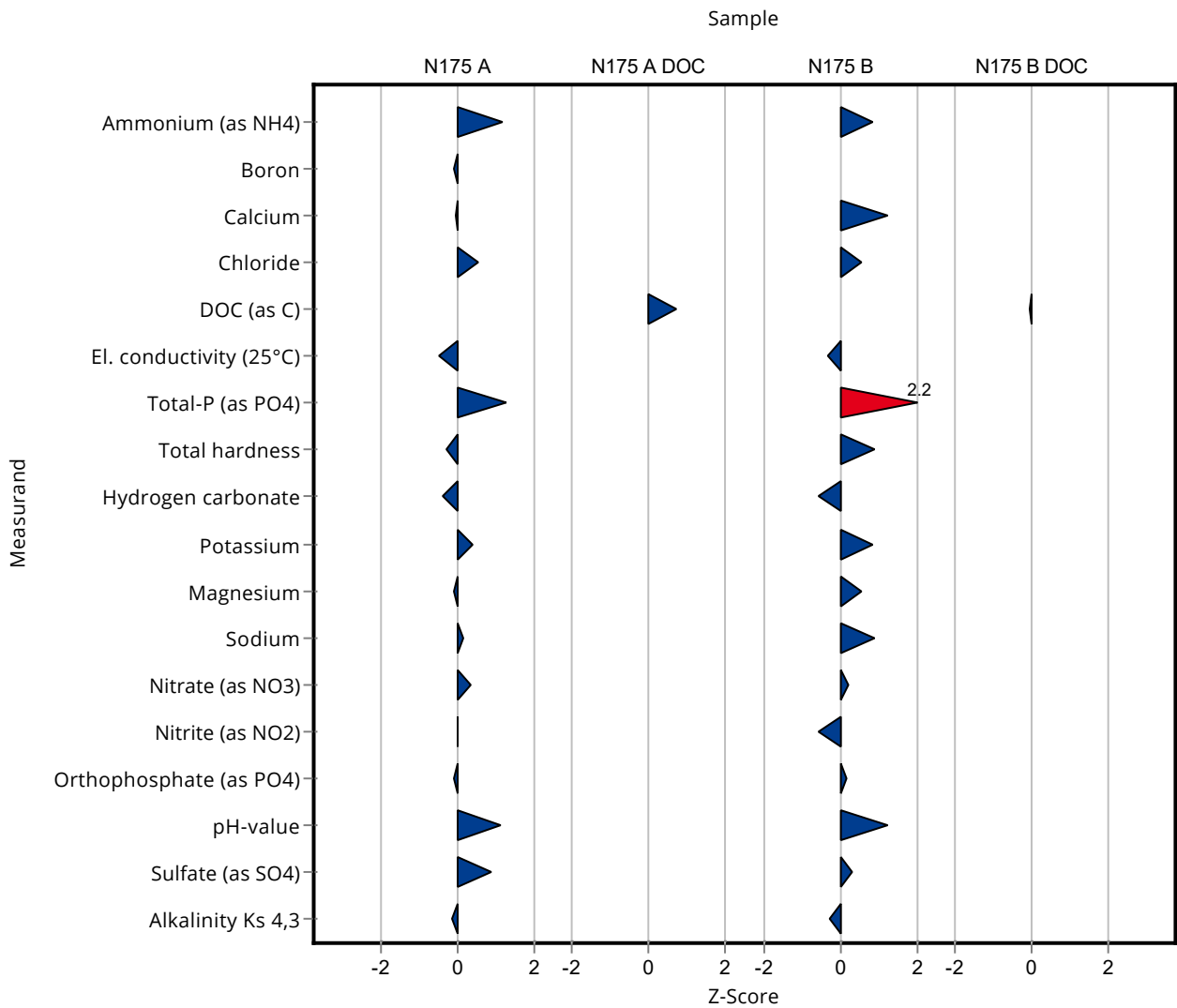
Summary of results Nutrients/Major Ions N175

Labcode: LC0009

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	2.52 ± 0.0468	0.162	116	2.18
Total hardness	mmol/l	2.34 ± 0.0174	2.4 ± 0.0156	0.0701	103	0.90
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	218 ± 4.36	4.41	98.9	-0.56
Potassium	mg/l	2.58 ± 0.0293	2.69 ± 0.0229	0.134	104	0.83
Magnesium	mg/l	15.6 ± 0.182	15.9 ± 0.301	0.622	102	0.55
Sodium	mg/l	16.4 ± 0.195	16.9 ± 0.253	0.558	103	0.90
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	23.5 ± 0.3	1.16	101	0.19
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.658 ± 0.0053	0.036	97	-0.57
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.379 ± 0.00561	0.0629	102	0.14
pH-value	-	7.63 ± 0.0362	7.82 ± 0.0782	0.153	102	1.23
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	32.4 ± 0.423	1.06	101	0.31
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.62 ± 0.121	0.0728	99.5	-0.26

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.44 ± 0.12	0.346	99.4	-0.06



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.0413 ± 0.00159	0.00643	122	1.93
Boron	mg/l	0.0597 ± 0.00224	0.059 ± 0.000587	0.00657	98.8	-0.28
Calcium	mg/l	165 ± 1.53	165 ± 1.88	5.12	99.9	-0.04
Chloride	mg/l	102 ± 0.706	104 ± 0.36	4.07	102	2.28
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1156 ± 0.509	15.1	99.4	-2.31
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.177 ± 0.00381	0.0121	110	1.86
Total hardness	mmol/l	5.74 ± 0.0381	5.69 ± 0.0483	0.172	99.2	-0.45
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	446 ± 8.93	8.99	99.2	-0.20
Potassium	mg/l	2.56 ± 0.0428	2.62 ± 0.0228	0.133	102	0.89
Magnesium	mg/l	38.6 ± 0.337	38.5 ± 0.27	1.55	99.7	-0.20
Sodium	mg/l	26.5 ± 0.22	26.6 ± 0.268	0.899	101	0.25
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12.8 ± 0.37	0.629	102	0.28
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.0382 ± 0.00106	0.00298	100	0.01
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.0854 ± 0.00115	0.0121	98.7	-0.23
pH-value	-	7.54 ± 0.0389	7.71 ± 0.0771	0.151	102	1.06
Sulfate (as SO ₄)	mg/l	106 ± 0.909	109 ± 1.43	3.49	103	1.05
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.37 ± 0.196	0.148	99.7	-0.05

Sample: N175ADOC

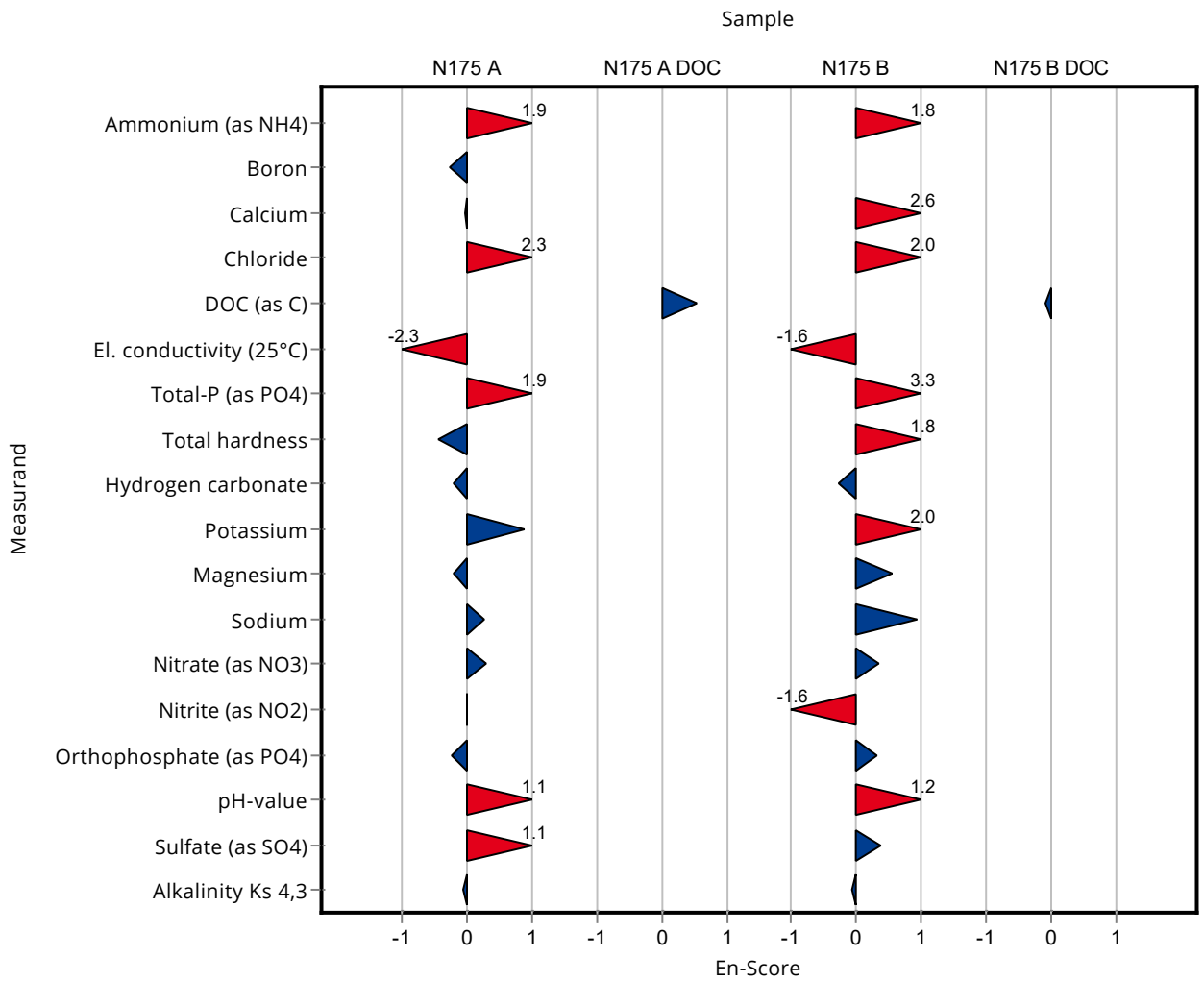
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.62 ± 0.123	0.193	109	0.55

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.339 ± 0.00807	0.0369	110	1.82
Boron	mg/l	0.0176 ± 0.00104	<0.02 (LOQ) ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	70 ± 0.378	2.09	104	2.65
Chloride	mg/l	29.3 ± 0.251	29.9 ± 0.0947	1.17	102	2.01
El. conductivity (25°C)	µS/cm	533 ± 1.36	531 ± 0.0636	6.93	99.6	-1.64
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	2.52 ± 0.0468	0.162	116	3.31
Total hardness	mmol/l	2.34 ± 0.0174	2.4 ± 0.0156	0.0701	103	1.76
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	218 ± 4.36	4.41	98.9	-0.28
Potassium	mg/l	2.58 ± 0.0293	2.69 ± 0.0229	0.134	104	2.05
Magnesium	mg/l	15.6 ± 0.182	15.9 ± 0.301	0.622	102	0.55
Sodium	mg/l	16.4 ± 0.195	16.9 ± 0.253	0.558	103	0.92
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	23.5 ± 0.3	1.16	101	0.34
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.658 ± 0.0053	0.036	97	-1.62
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.379 ± 0.00561	0.0629	102	0.32
pH-value	-	7.63 ± 0.0362	7.82 ± 0.0782	0.153	102	1.17
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	32.4 ± 0.423	1.06	101	0.37
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.62 ± 0.121	0.0728	99.5	-0.08

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.44 ± 0.12	0.346	99.4	-0.09



Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.025 ± 0.000798	0.00643	73.9	-1.38
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	171 ± 6.57	5.12	104	1.14
Chloride	mg/l	102 ± 0.706	101 ± 5.52	4.07	99.3	-0.17
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1173 ± 7.27	15.1	101	0.64
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.1755 ± 0.0602	0.0121	109	1.16
Total hardness	mmol/l	5.74 ± 0.0381	5.901 ± 0.152	0.172	103	0.95
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	454 ± 6.13	8.99	101	0.49
Potassium	mg/l	2.56 ± 0.0428	2.554 ± 0.0701	0.133	99.6	-0.08
Magnesium	mg/l	38.6 ± 0.337	40.32 ± 0.9475	1.55	104	1.10
Sodium	mg/l	26.5 ± 0.22	26.26 ± 0.721	0.899	99.3	-0.22
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12.26 ± 0.2857	0.629	97.4	-0.52
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.037 ± 0.000368	0.00298	96.9	-0.40
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.0915 ± 0.00314	0.0121	106	0.41
pH-value	-	7.54 ± 0.0389	7.61 ± 0.0381	0.151	101	0.46
Sulfate (as SO ₄)	mg/l	106 ± 0.909	106.7 ± 2.086	3.49	101	0.25
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.49 ± 0.101	0.148	101	0.67

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	- ± -	0.193	-	-

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.2935 ± 0.00936	0.0369	95.5	-0.37
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	71.269 ± 2.737	2.09	106	1.85
Chloride	mg/l	29.3 ± 0.251	29.27 ± 1.6	1.17	100	0.00
El. conductivity (25°C)	µS/cm	533 ± 1.36	537.5 ± 3.333	6.93	101	0.61

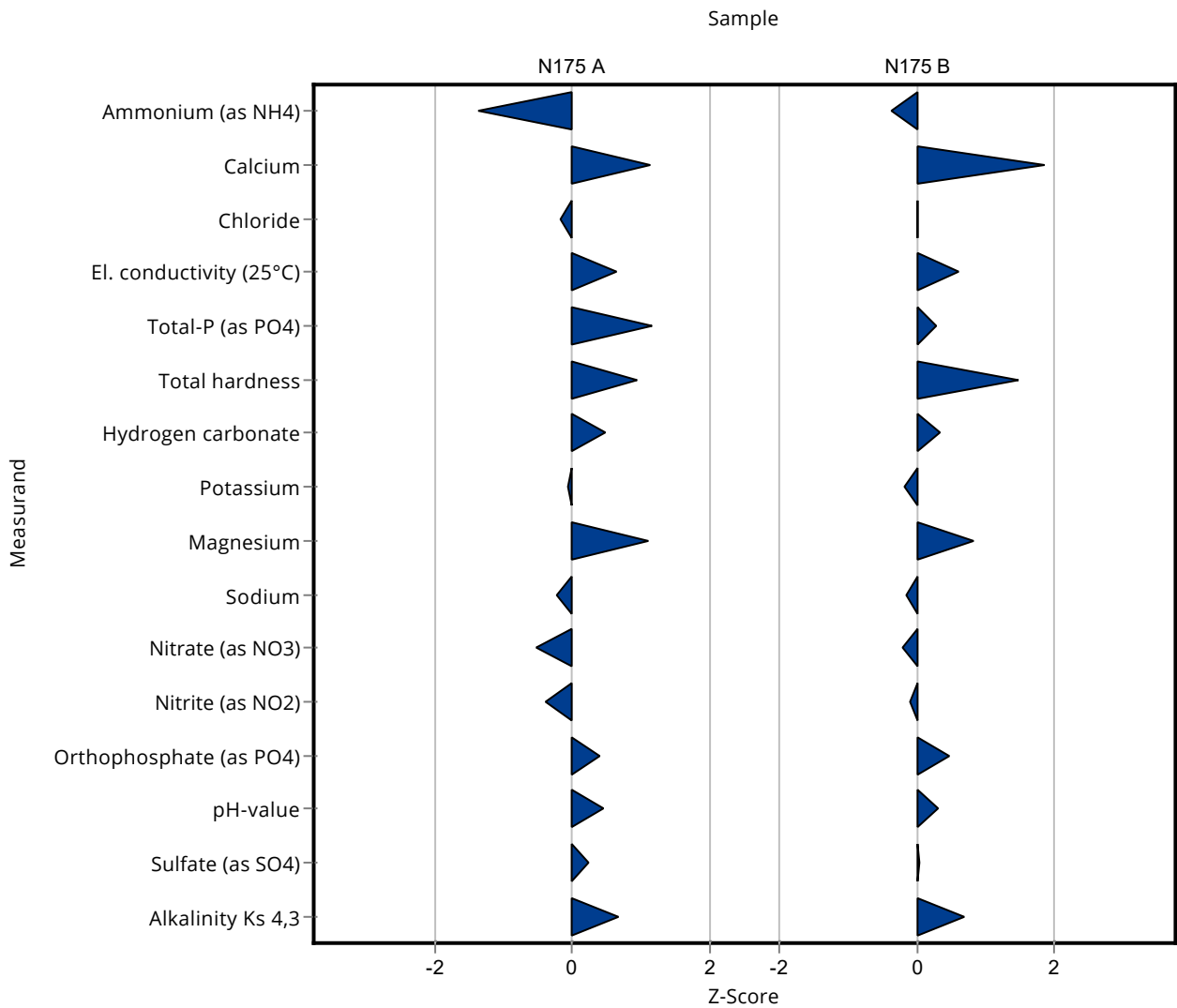
Summary of results Nutrients/Major Ions N175

Labcode: LC0010

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	2.21 ± 0.133	0.162	102	0.28
Total hardness	mmol/l	2.34 ± 0.0174	2.44 ± 0.0573	0.0701	104	1.47
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	222 ± 2.997	4.41	101	0.34
Potassium	mg/l	2.58 ± 0.0293	2.555 ± 0.0701	0.134	99.1	-0.18
Magnesium	mg/l	15.6 ± 0.182	16.07 ± 0.3776	0.622	103	0.83
Sodium	mg/l	16.4 ± 0.195	16.32 ± 0.448	0.558	99.5	-0.14
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	23.05 ± 0.5371	1.16	99	-0.20
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.675 ± 0.00672	0.036	99.5	-0.09
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.4 ± 0.0173	0.0629	108	0.47
pH-value	-	7.63 ± 0.0362	7.68 ± 0.0384	0.153	101	0.31
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	32.12 ± 0.6279	1.06	100	0.05
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.69 ± 0.0498	0.0728	101	0.70

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	- ± -	0.346	-	-



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.025 ± 0.000798	0.00643	73.9	-3.28
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	171 ± 6.57	5.12	104	0.44
Chloride	mg/l	102 ± 0.706	101 ± 5.52	4.07	99.3	-0.06
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1173 ± 7.27	15.1	101	0.65
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.1755 ± 0.0602	0.0121	109	0.12
Total hardness	mmol/l	5.74 ± 0.0381	5.901 ± 0.152	0.172	103	0.54
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	454 ± 6.13	8.99	101	0.36
Potassium	mg/l	2.56 ± 0.0428	2.554 ± 0.0701	0.133	99.6	-0.07
Magnesium	mg/l	38.6 ± 0.337	40.32 ± 0.9475	1.55	104	0.88
Sodium	mg/l	26.5 ± 0.22	26.26 ± 0.721	0.899	99.3	-0.13
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12.26 ± 0.2857	0.629	97.4	-0.55
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.037 ± 0.000368	0.00298	96.9	-0.95
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.0915 ± 0.00314	0.0121	106	0.64
pH-value	-	7.54 ± 0.0389	7.61 ± 0.0381	0.151	101	0.80
Sulfate (as SO ₄)	mg/l	106 ± 0.909	106.7 ± 2.086	3.49	101	0.20
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.49 ± 0.101	0.148	101	0.49

Sample: N175ADOC

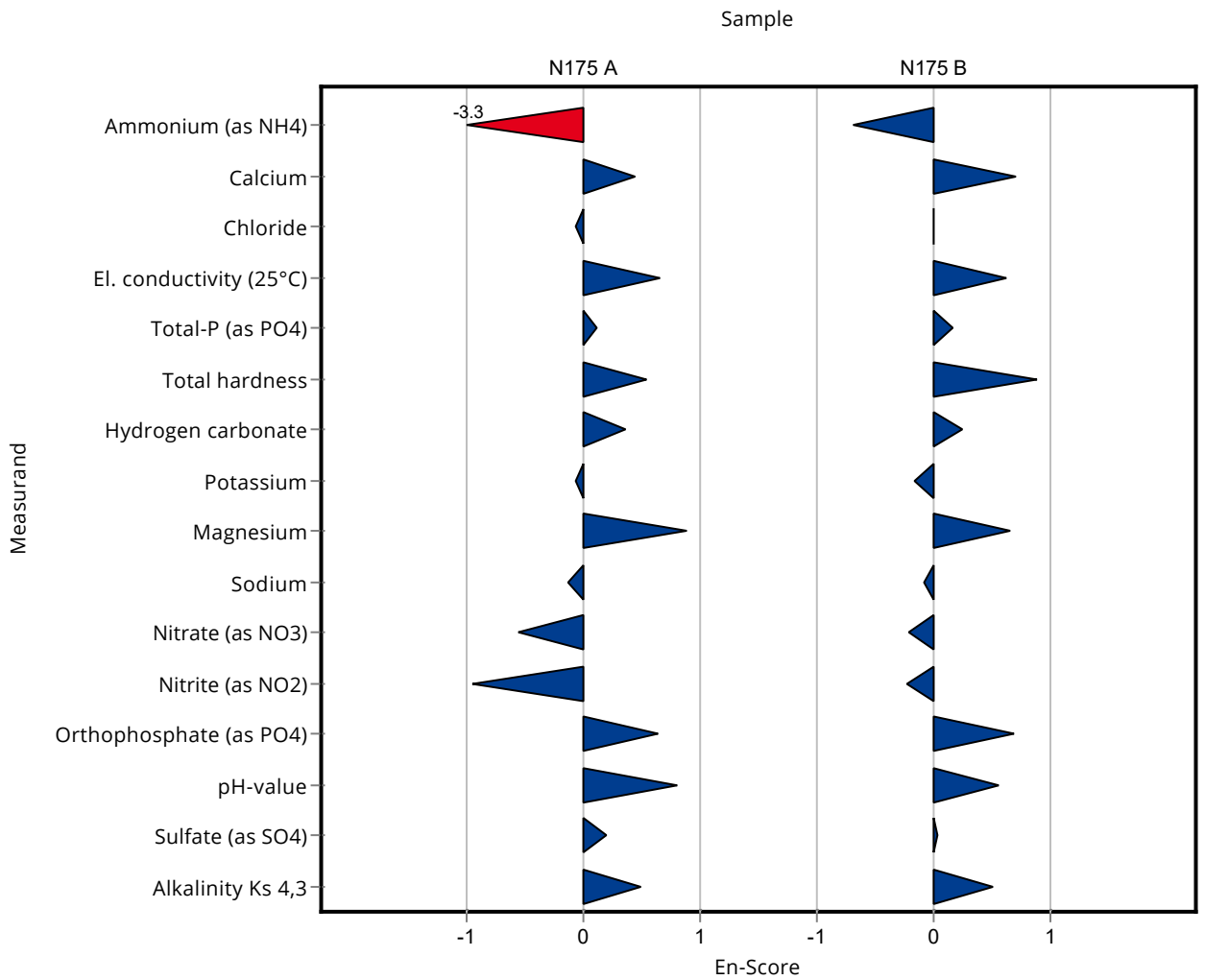
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	- ± -	0.193	-	-

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.2935 ± 0.00936	0.0369	95.5	-0.69
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	71.269 ± 2.737	2.09	106	0.70
Chloride	mg/l	29.3 ± 0.251	29.27 ± 1.6	1.17	100	0.00
El. conductivity (25°C)	µS/cm	533 ± 1.36	537.5 ± 3.333	6.93	101	0.63
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	2.21 ± 0.133	0.162	102	0.17
Total hardness	mmol/l	2.34 ± 0.0174	2.44 ± 0.0573	0.0701	104	0.89
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	222 ± 2.997	4.41	101	0.25
Potassium	mg/l	2.58 ± 0.0293	2.555 ± 0.0701	0.134	99.1	-0.17
Magnesium	mg/l	15.6 ± 0.182	16.07 ± 0.3776	0.622	103	0.66
Sodium	mg/l	16.4 ± 0.195	16.32 ± 0.448	0.558	99.5	-0.09
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	23.05 ± 0.5371	1.16	99	-0.21
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.675 ± 0.00672	0.036	99.5	-0.23
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.4 ± 0.0173	0.0629	108	0.69
pH-value	-	7.63 ± 0.0362	7.68 ± 0.0384	0.153	101	0.56
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	32.12 ± 0.6279	1.06	100	0.04
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.69 ± 0.0498	0.0728	101	0.50

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	- ± -	0.346	-	-



Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	<0.06 (LOQ) ± -	0.00643	-	-
Boron	mg/l	0.0597 ± 0.00224	0.0677 ± 0.00948	0.00657	113	1.22
Calcium	mg/l	165 ± 1.53	170 ± 8.49	5.12	103	0.94
Chloride	mg/l	102 ± 0.706	100 ± 6.46	4.07	98.3	-0.42
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1183 ± 5.92	15.1	102	1.30
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.139 ± 0.0132	0.0121	86.1	-1.85
Total hardness	mmol/l	5.74 ± 0.0381	5.92 ± 0.474	0.172	103	1.06
Total nitrogen	mg/l	2.96 ± 0.0892	3.05 ± 0.692	0.246	103	0.35
Hydrogen carbonate	mg/l	450 ± 1.44	- ± -	8.99	-	-
Potassium	mg/l	2.56 ± 0.0428	2.59 ± 0.336	0.133	101	0.19
Magnesium	mg/l	38.6 ± 0.337	41 ± 2.05	1.55	106	1.54
Sodium	mg/l	26.5 ± 0.22	28.9 ± 1.73	0.899	109	2.72
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12.8 ± 0.9	0.629	102	0.34
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.0328 ± 0.00235	0.00298	85.9	-1.81
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.0664 ± 0.00516	0.0121	76.7	-1.66
pH-value	-	7.54 ± 0.0389	7.73 ± 0.004	0.151	103	1.25
Sulfate (as SO ₄)	mg/l	106 ± 0.909	104 ± 6.1	3.49	98.3	-0.53
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.39 ± 0.37	0.148	100	-0.01

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	<1 (LOQ) ± -	0.193	-	-

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.287 ± 0.0282	0.0369	93.4	-0.55
Boron	mg/l	0.0176 ± 0.00104	0.0184 ± 0.00257	0.00211	105	0.40
Calcium	mg/l	67.4 ± 0.625	68.8 ± 3.44	2.09	102	0.67
Chloride	mg/l	29.3 ± 0.251	29.7 ± 1.93	1.17	101	0.37
El. conductivity (25°C)	µS/cm	533 ± 1.36	539 ± 2.69	6.93	101	0.83

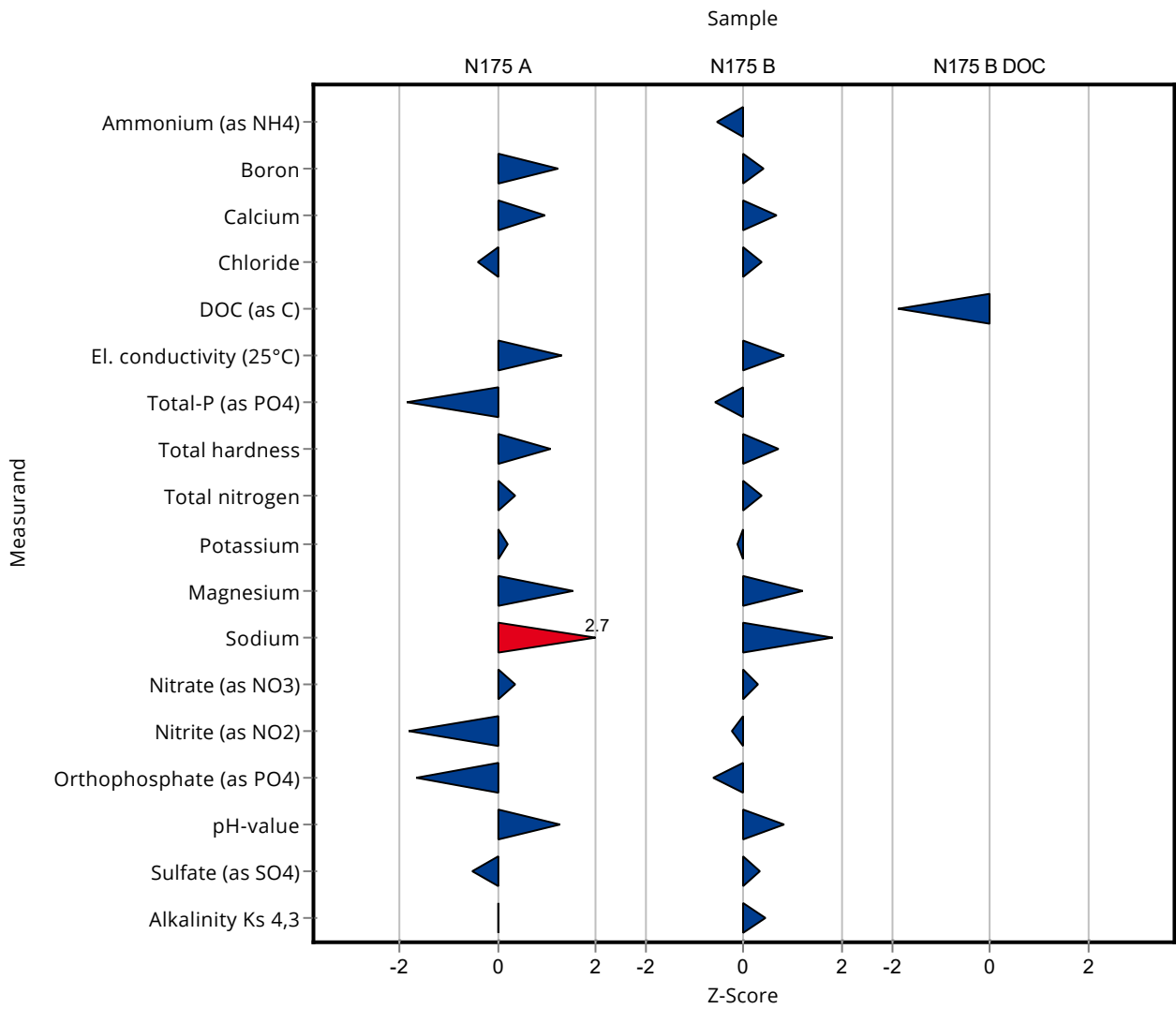
Summary of results Nutrients/Major Ions N175

Labcode: LC0011

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	2.07 ± 0.197	0.162	95.6	-0.59
Total hardness	mmol/l	2.34 ± 0.0174	2.387 ± 0.191	0.0701	102	0.71
Total nitrogen	mg/l	5.8 ± 0.138	5.98 ± 1.357	0.482	103	0.37
Hydrogen carbonate	mg/l	220 ± 0.967	- ± -	4.41	-	-
Potassium	mg/l	2.58 ± 0.0293	2.56 ± 0.332	0.134	99.3	-0.14
Magnesium	mg/l	15.6 ± 0.182	16.3 ± 0.813	0.622	105	1.20
Sodium	mg/l	16.4 ± 0.195	17.4 ± 1.04	0.558	106	1.79
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	23.6 ± 1.65	1.16	101	0.27
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.669 ± 0.0478	0.036	98.6	-0.26
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.331 ± 0.0257	0.0629	89.4	-0.62
pH-value	-	7.63 ± 0.0362	7.76 ± 0.004	0.153	102	0.83
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	32.4 ± 1.9	1.06	101	0.31
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.67 ± 0.184	0.0728	101	0.42

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	2.81 ± 0.273	0.346	81.2	-1.88



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	<0.06 (LOQ) ± -	0.00643	-	-
Boron	mg/l	0.0597 ± 0.00224	0.0677 ± 0.00948	0.00657	113	0.42
Calcium	mg/l	165 ± 1.53	170 ± 8.49	5.12	103	0.28
Chloride	mg/l	102 ± 0.706	100 ± 6.46	4.07	98.3	-0.13
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1183 ± 5.92	15.1	102	1.61
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.139 ± 0.0132	0.0121	86.1	-0.84
Total hardness	mmol/l	5.74 ± 0.0381	5.92 ± 0.474	0.172	103	0.19
Total nitrogen	mg/l	2.96 ± 0.0892	3.05 ± 0.692	0.246	103	0.06
Hydrogen carbonate	mg/l	450 ± 1.44	- ± -	8.99	-	-
Potassium	mg/l	2.56 ± 0.0428	2.59 ± 0.336	0.133	101	0.04
Magnesium	mg/l	38.6 ± 0.337	41 ± 2.05	1.55	106	0.58
Sodium	mg/l	26.5 ± 0.22	28.9 ± 1.73	0.899	109	0.71
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12.8 ± 0.9	0.629	102	0.12
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.0328 ± 0.00235	0.00298	85.9	-1.12
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.0664 ± 0.00516	0.0121	76.7	-1.80
pH-value	-	7.54 ± 0.0389	7.73 ± 0.004	0.151	103	4.75
Sulfate (as SO ₄)	mg/l	106 ± 0.909	104 ± 6.1	3.49	98.3	-0.15
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.39 ± 0.37	0.148	100	0.00

Sample: N175ADOC

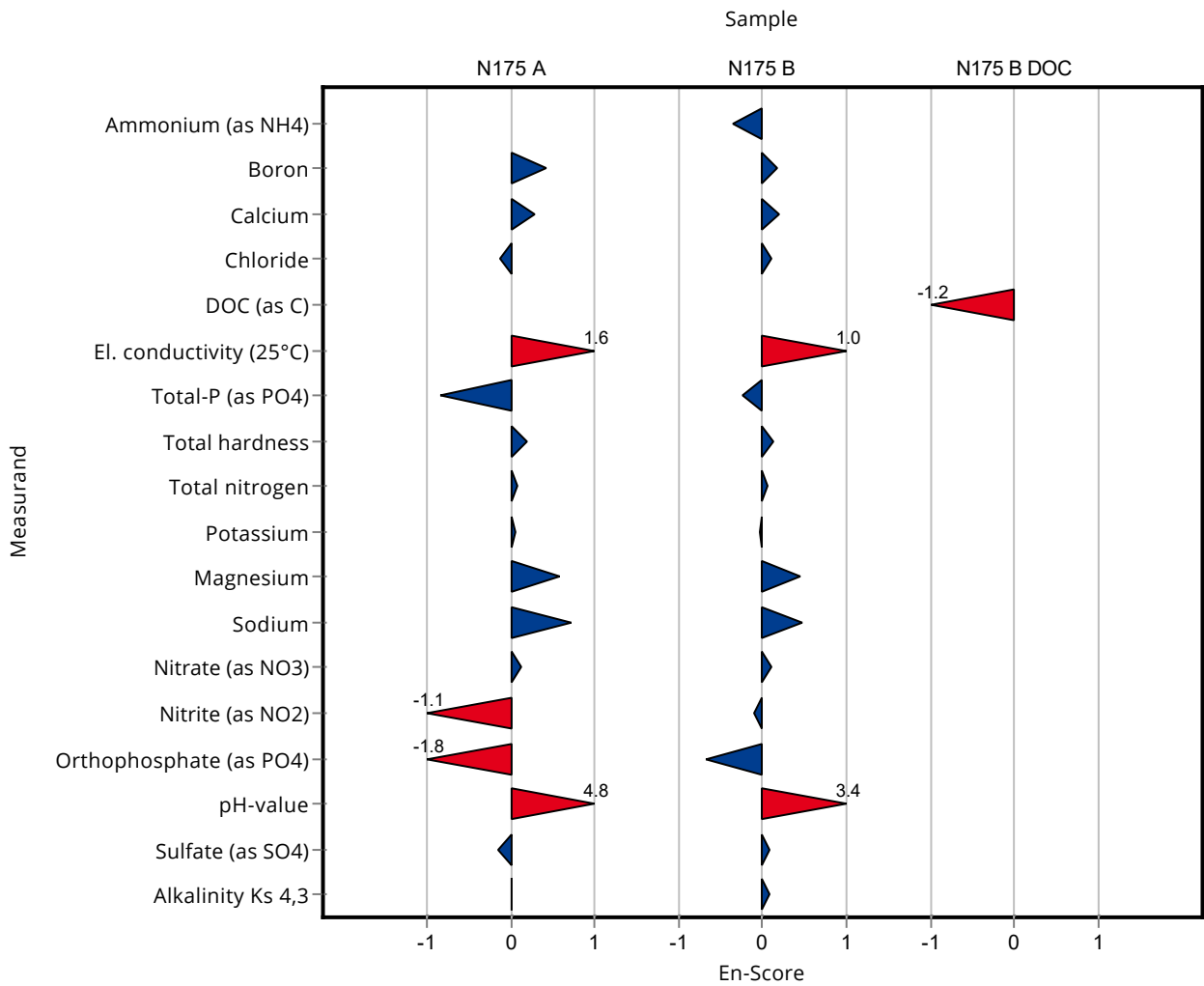
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	<1 (LOQ) ± -	0.193	-	-

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.287 ± 0.0282	0.0369	93.4	-0.36
Boron	mg/l	0.0176 ± 0.00104	0.0184 ± 0.00257	0.00211	105	0.16
Calcium	mg/l	67.4 ± 0.625	68.8 ± 3.44	2.09	102	0.20
Chloride	mg/l	29.3 ± 0.251	29.7 ± 1.93	1.17	101	0.11
El. conductivity (25°C)	µS/cm	533 ± 1.36	539 ± 2.69	6.93	101	1.04
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	2.07 ± 0.197	0.162	95.6	-0.24
Total hardness	mmol/l	2.34 ± 0.0174	2.387 ± 0.191	0.0701	102	0.13
Total nitrogen	mg/l	5.8 ± 0.138	5.98 ± 1.357	0.482	103	0.06
Hydrogen carbonate	mg/l	220 ± 0.967	- ± -	4.41	-	-
Potassium	mg/l	2.58 ± 0.0293	2.56 ± 0.332	0.134	99.3	-0.03
Magnesium	mg/l	15.6 ± 0.182	16.3 ± 0.813	0.622	105	0.45
Sodium	mg/l	16.4 ± 0.195	17.4 ± 1.04	0.558	106	0.48
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	23.6 ± 1.65	1.16	101	0.10
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.669 ± 0.0478	0.036	98.6	-0.10
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.331 ± 0.0257	0.0629	89.4	-0.69
pH-value	-	7.63 ± 0.0362	7.76 ± 0.004	0.153	102	3.43
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	32.4 ± 1.9	1.06	101	0.09
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.67 ± 0.184	0.0728	101	0.08

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	2.81 ± 0.273	0.346	81.2	-1.18



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	- ± -	0.00643	-	-
Boron	mg/l	0.0597 ± 0.00224	0.0627 ± 0.00627	0.00657	105	0.46
Calcium	mg/l	165 ± 1.53	173.6 ± 8.68	5.12	105	1.65
Chloride	mg/l	102 ± 0.706	- ± -	4.07	-	-
El. conductivity (25°C)	µS/cm	1160 ± 3.02	- ± -	15.1	-	-
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.159 ± 0.0159	0.0121	98.5	-0.20
Total hardness	mmol/l	5.74 ± 0.0381	5.87 ± 0.587	0.172	102	0.77
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	- ± -	8.99	-	-
Potassium	mg/l	2.56 ± 0.0428	- ± -	0.133	-	-
Magnesium	mg/l	38.6 ± 0.337	37.09 ± 3.71	1.55	96	-0.99
Sodium	mg/l	26.5 ± 0.22	- ± -	0.899	-	-
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	- ± -	0.629	-	-
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	- ± -	0.00298	-	-
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.0961 ± 0.0144	0.0121	111	0.79
pH-value	-	7.54 ± 0.0389	- ± -	0.151	-	-
Sulfate (as SO ₄)	mg/l	106 ± 0.909	- ± -	3.49	-	-
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	- ± -	0.148	-	-

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.3 ± 0.13	0.193	87.7	-0.94

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	- ± -	0.0369	-	-
Boron	mg/l	0.0176 ± 0.00104	0.0194 ± 0.00194	0.00211	111	0.88
Calcium	mg/l	67.4 ± 0.625	68.24 ± 6.82	2.09	101	0.40
Chloride	mg/l	29.3 ± 0.251	- ± -	1.17	-	-
El. conductivity (25°C)	µS/cm	533 ± 1.36	- ± -	6.93	-	-

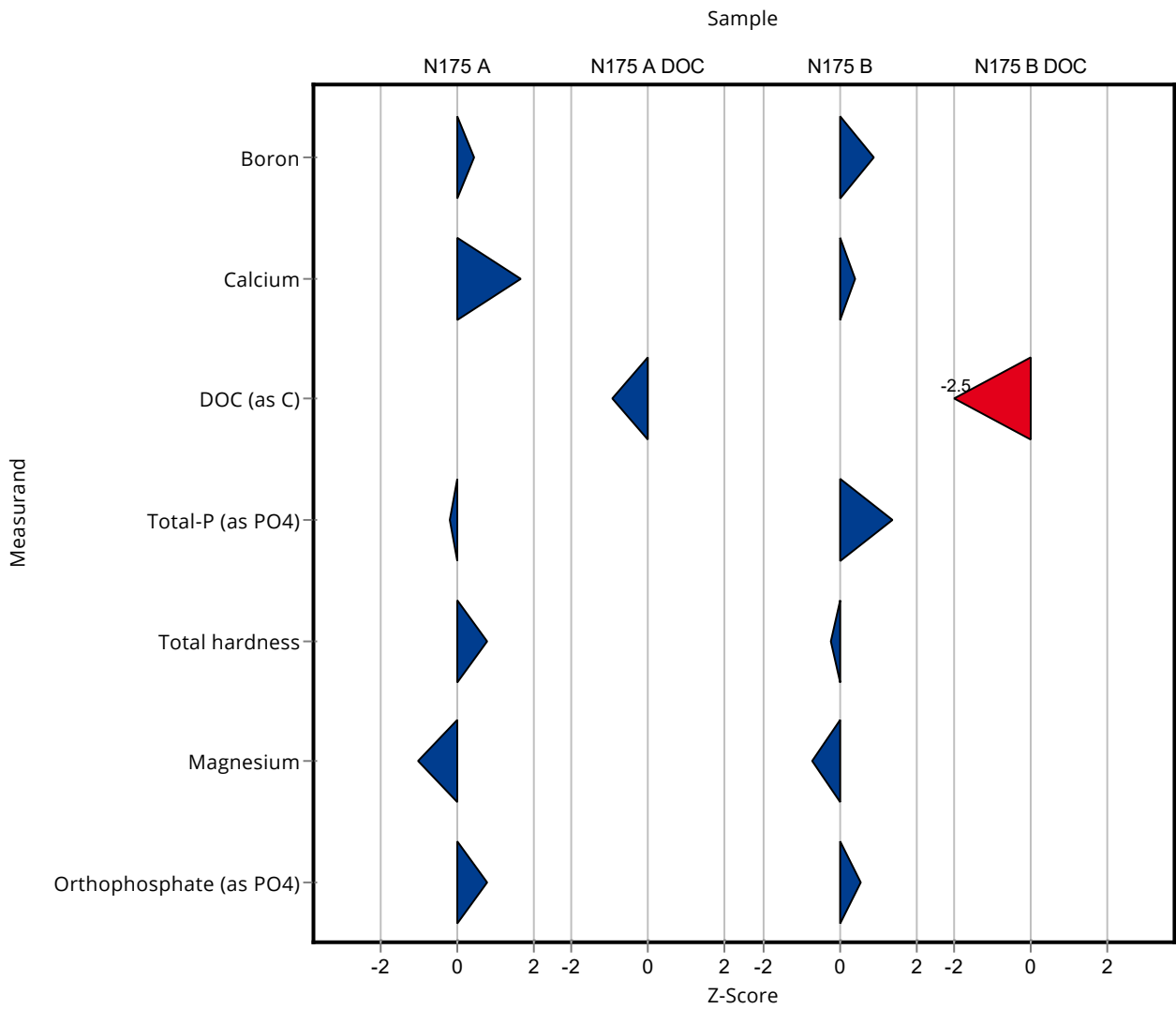
Summary of results Nutrients/Major Ions N175

Labcode: LC0012

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO4)	mg/l	2.17 ± 0.0523	2.39 ± 0.0239	0.162	110	1.38
Total hardness	mmol/l	2.34 ± 0.0174	2.32 ± 0.232	0.0701	99.3	-0.25
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	- ± -	4.41	-	-
Potassium	mg/l	2.58 ± 0.0293	- ± -	0.134	-	-
Magnesium	mg/l	15.6 ± 0.182	15.12 ± 1.51	0.622	97.2	-0.70
Sodium	mg/l	16.4 ± 0.195	- ± -	0.558	-	-
Nitrate (as NO3)	mg/l	23.3 ± 0.218	- ± -	1.16	-	-
Nitrite (as NO2)	mg/l	0.678 ± 0.00681	- ± -	0.036	-	-
Orthophosphate (as PO4)	mg/l	0.37 ± 0.0253	0.406 ± 0.0609	0.0629	110	0.57
pH-value	-	7.63 ± 0.0362	- ± -	0.153	-	-
Sulfate (as SO4)	mg/l	32.1 ± 0.266	- ± -	1.06	-	-
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	- ± -	0.0728	-	-

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	2.58 ± 0.258	0.346	74.5	-2.55



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	- ± -	0.00643	-	-
Boron	mg/l	0.0597 ± 0.00224	0.0627 ± 0.00627	0.00657	105	0.23
Calcium	mg/l	165 ± 1.53	173.6 ± 8.68	5.12	105	0.48
Chloride	mg/l	102 ± 0.706	- ± -	4.07	-	-
El. conductivity (25°C)	µS/cm	1160 ± 3.02	- ± -	15.1	-	-
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.159 ± 0.0159	0.0121	98.5	-0.08
Total hardness	mmol/l	5.74 ± 0.0381	5.87 ± 0.587	0.172	102	0.11
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	- ± -	8.99	-	-
Potassium	mg/l	2.56 ± 0.0428	- ± -	0.133	-	-
Magnesium	mg/l	38.6 ± 0.337	37.09 ± 3.71	1.55	96	-0.21
Sodium	mg/l	26.5 ± 0.22	- ± -	0.899	-	-
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	- ± -	0.629	-	-
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	- ± -	0.00298	-	-
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.0961 ± 0.0144	0.0121	111	0.33
pH-value	-	7.54 ± 0.0389	- ± -	0.151	-	-
Sulfate (as SO ₄)	mg/l	106 ± 0.909	- ± -	3.49	-	-
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	- ± -	0.148	-	-

Sample: N175ADOC

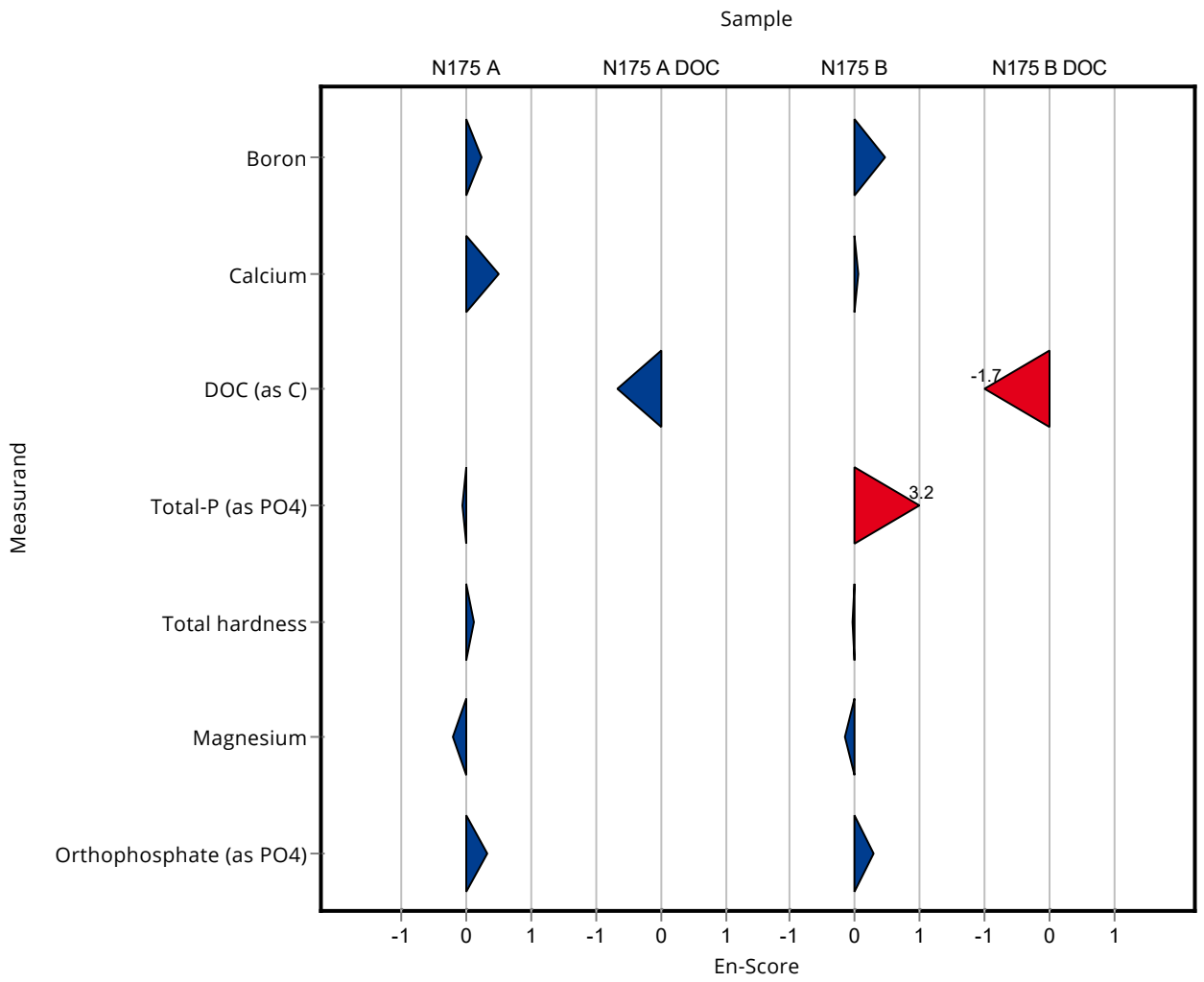
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.3 ± 0.13	0.193	87.7	-0.68

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	- ± -	0.0369	-	-
Boron	mg/l	0.0176 ± 0.00104	0.0194 ± 0.00194	0.00211	111	0.46
Calcium	mg/l	67.4 ± 0.625	68.24 ± 6.82	2.09	101	0.06
Chloride	mg/l	29.3 ± 0.251	- ± -	1.17	-	-
El. conductivity (25°C)	µS/cm	533 ± 1.36	- ± -	6.93	-	-
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	2.39 ± 0.0239	0.162	110	3.17
Total hardness	mmol/l	2.34 ± 0.0174	2.32 ± 0.232	0.0701	99.3	-0.04
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	- ± -	4.41	-	-
Potassium	mg/l	2.58 ± 0.0293	- ± -	0.134	-	-
Magnesium	mg/l	15.6 ± 0.182	15.12 ± 1.51	0.622	97.2	-0.14
Sodium	mg/l	16.4 ± 0.195	- ± -	0.558	-	-
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	- ± -	1.16	-	-
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	- ± -	0.036	-	-
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.406 ± 0.0609	0.0629	110	0.29
pH-value	-	7.63 ± 0.0362	- ± -	0.153	-	-
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	- ± -	1.06	-	-
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	- ± -	0.0728	-	-

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	2.58 ± 0.258	0.346	74.5	-1.69



Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	- ± -	0.00643	-	-
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	- ± -	5.12	-	-
Chloride	mg/l	102 ± 0.706	- ± -	4.07	-	-
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1169 ± 0.211	15.1	100	0.37
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	- ± -	0.0121	-	-
Total hardness	mmol/l	5.74 ± 0.0381	- ± -	0.172	-	-
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	- ± -	8.99	-	-
Potassium	mg/l	2.56 ± 0.0428	- ± -	0.133	-	-
Magnesium	mg/l	38.6 ± 0.337	- ± -	1.55	-	-
Sodium	mg/l	26.5 ± 0.22	- ± -	0.899	-	-
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	- ± -	0.629	-	-
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	- ± -	0.00298	-	-
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	- ± -	0.0121	-	-
pH-value	-	7.54 ± 0.0389	7.42 ± 0.02	0.151	98.4	-0.80
Sulfate (as SO ₄)	mg/l	106 ± 0.909	- ± -	3.49	-	-
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	- ± -	0.148	-	-

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	- ± -	0.193	-	-

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	- ± -	0.0369	-	-
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	- ± -	2.09	-	-
Chloride	mg/l	29.3 ± 0.251	- ± -	1.17	-	-
El. conductivity (25°C)	µS/cm	533 ± 1.36	535 ± 1.88	6.93	100	0.25

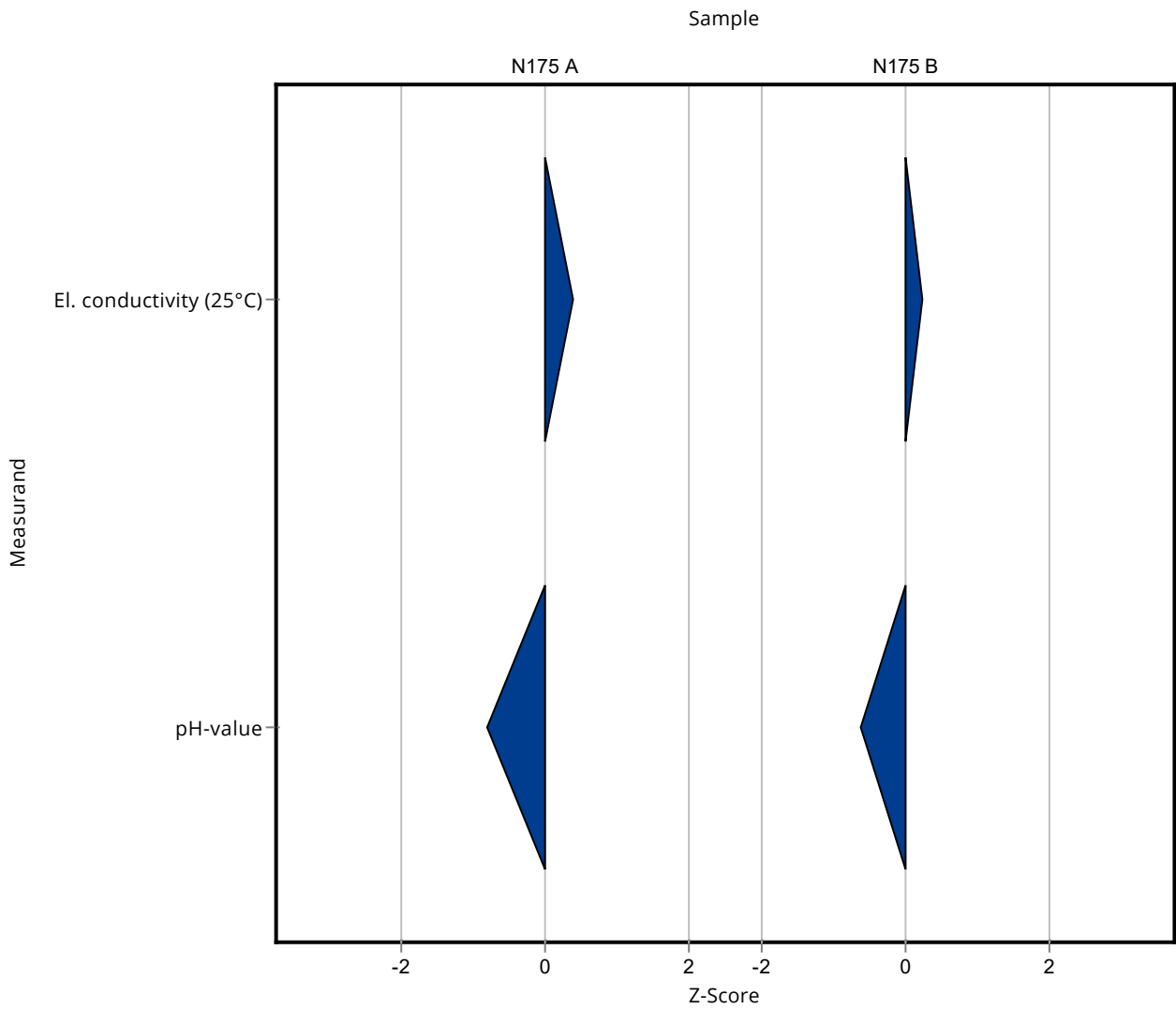
Summary of results Nutrients/Major Ions N175

Labcode: LC0013

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	- ± -	0.162	-	-
Total hardness	mmol/l	2.34 ± 0.0174	- ± -	0.0701	-	-
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	- ± -	4.41	-	-
Potassium	mg/l	2.58 ± 0.0293	- ± -	0.134	-	-
Magnesium	mg/l	15.6 ± 0.182	- ± -	0.622	-	-
Sodium	mg/l	16.4 ± 0.195	- ± -	0.558	-	-
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	- ± -	1.16	-	-
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	- ± -	0.036	-	-
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	- ± -	0.0629	-	-
pH-value	-	7.63 ± 0.0362	7.54 ± 0.032	0.153	98.8	-0.61
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	- ± -	1.06	-	-
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	- ± -	0.0728	-	-

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	- ± -	0.346	-	-



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	- ± -	0.00643	-	-
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	- ± -	5.12	-	-
Chloride	mg/l	102 ± 0.706	- ± -	4.07	-	-
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1169 ± 0.211	15.1	100	1.85
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	- ± -	0.0121	-	-
Total hardness	mmol/l	5.74 ± 0.0381	- ± -	0.172	-	-
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	- ± -	8.99	-	-
Potassium	mg/l	2.56 ± 0.0428	- ± -	0.133	-	-
Magnesium	mg/l	38.6 ± 0.337	- ± -	1.55	-	-
Sodium	mg/l	26.5 ± 0.22	- ± -	0.899	-	-
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	- ± -	0.629	-	-
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	- ± -	0.00298	-	-
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	- ± -	0.0121	-	-
pH-value	-	7.54 ± 0.0389	7.42 ± 0.02	0.151	98.4	-2.17
Sulfate (as SO ₄)	mg/l	106 ± 0.909	- ± -	3.49	-	-
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	- ± -	0.148	-	-

Sample: N175ADOC

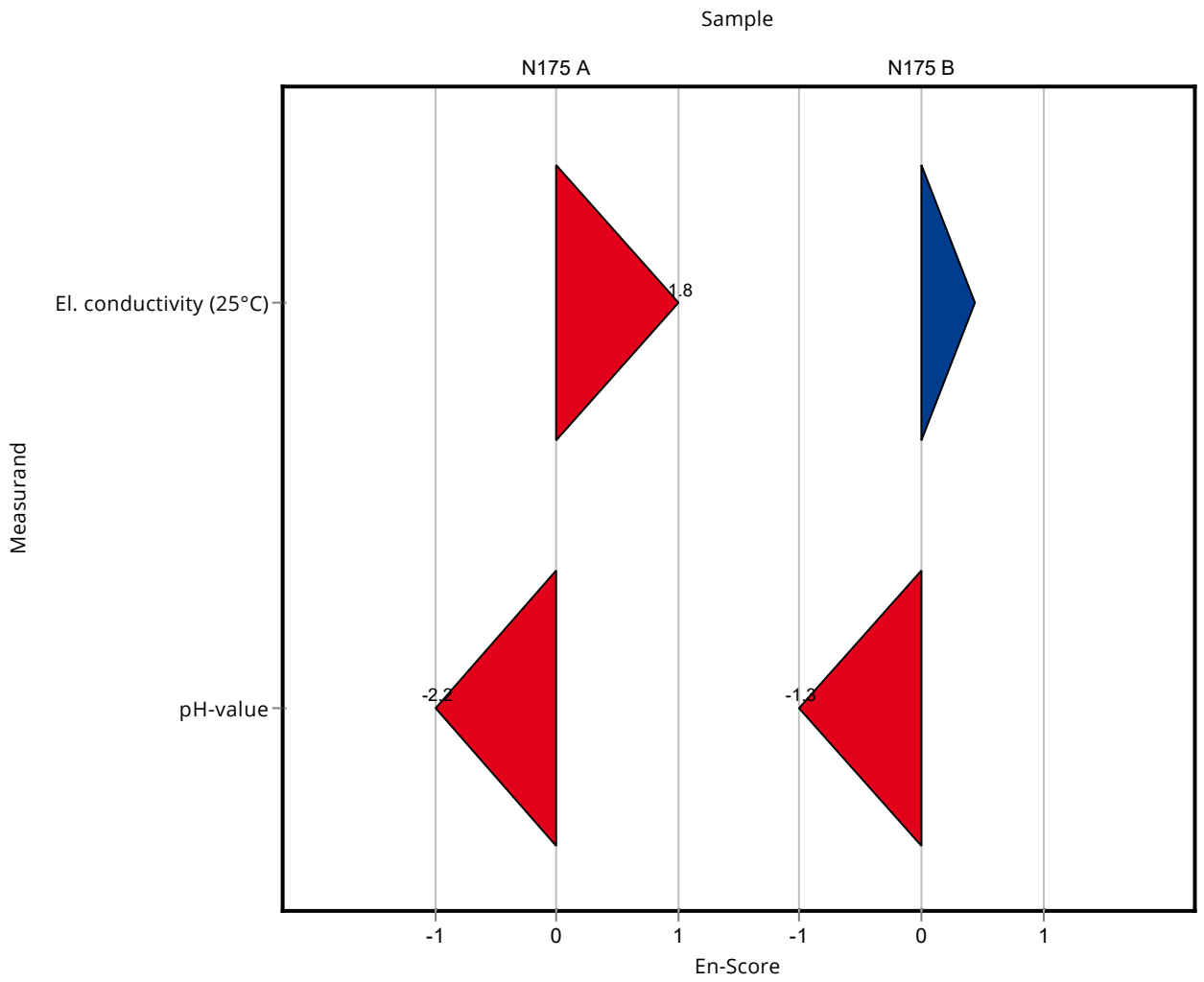
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	- ± -	0.193	-	-

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	- ± -	0.0369	-	-
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	- ± -	2.09	-	-
Chloride	mg/l	29.3 ± 0.251	- ± -	1.17	-	-
El. conductivity (25°C)	µS/cm	533 ± 1.36	535 ± 1.88	6.93	100	0.44
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	- ± -	0.162	-	-
Total hardness	mmol/l	2.34 ± 0.0174	- ± -	0.0701	-	-
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	- ± -	4.41	-	-
Potassium	mg/l	2.58 ± 0.0293	- ± -	0.134	-	-
Magnesium	mg/l	15.6 ± 0.182	- ± -	0.622	-	-
Sodium	mg/l	16.4 ± 0.195	- ± -	0.558	-	-
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	- ± -	1.16	-	-
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	- ± -	0.036	-	-
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	- ± -	0.0629	-	-
pH-value	-	7.63 ± 0.0362	7.54 ± 0.032	0.153	98.8	-1.26
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	- ± -	1.06	-	-
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	- ± -	0.0728	-	-

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	- ± -	0.346	-	-



Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.037 ± 0.008	0.00643	109	0.49
Boron	mg/l	0.0597 ± 0.00224	0.0601 ± 0.006	0.00657	101	0.06
Calcium	mg/l	165 ± 1.53	169 ± 10	5.12	102	0.75
Chloride	mg/l	102 ± 0.706	102 ± 8	4.07	100	0.07
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1169 ± 35	15.1	100	0.37
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.175 ± 0.042	0.0121	108	1.12
Total hardness	mmol/l	5.74 ± 0.0381	5.9 ± 0.3	0.172	103	0.95
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	444 ± 36	8.99	98.8	-0.62
Potassium	mg/l	2.56 ± 0.0428	2.5 ± 0.2	0.133	97.5	-0.48
Magnesium	mg/l	38.6 ± 0.337	39.8 ± 2.8	1.55	103	0.76
Sodium	mg/l	26.5 ± 0.22	26.4 ± 1.6	0.899	99.8	-0.06
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12.75 ± 0.77	0.629	101	0.26
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.038 ± 0.005	0.00298	99.5	-0.06
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.095 ± 0.018	0.0121	110	0.70
pH-value	-	7.54 ± 0.0389	7.4 ± 0.2	0.151	98.1	-0.94
Sulfate (as SO ₄)	mg/l	106 ± 0.909	114 ± 7	3.49	108	2.34
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.28 ± 0.37	0.148	98.5	-0.75

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.35 ± 0.19	0.193	91.1	-0.68

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.364 ± 0.076	0.0369	118	1.54
Boron	mg/l	0.0176 ± 0.00104	0.0171 ± 0.0017	0.00211	97.4	-0.22
Calcium	mg/l	67.4 ± 0.625	68 ± 4	2.09	101	0.29
Chloride	mg/l	29.3 ± 0.251	27.9 ± 2.2	1.17	95.3	-1.17
El. conductivity (25°C)	µS/cm	533 ± 1.36	534 ± 16	6.93	100	0.11

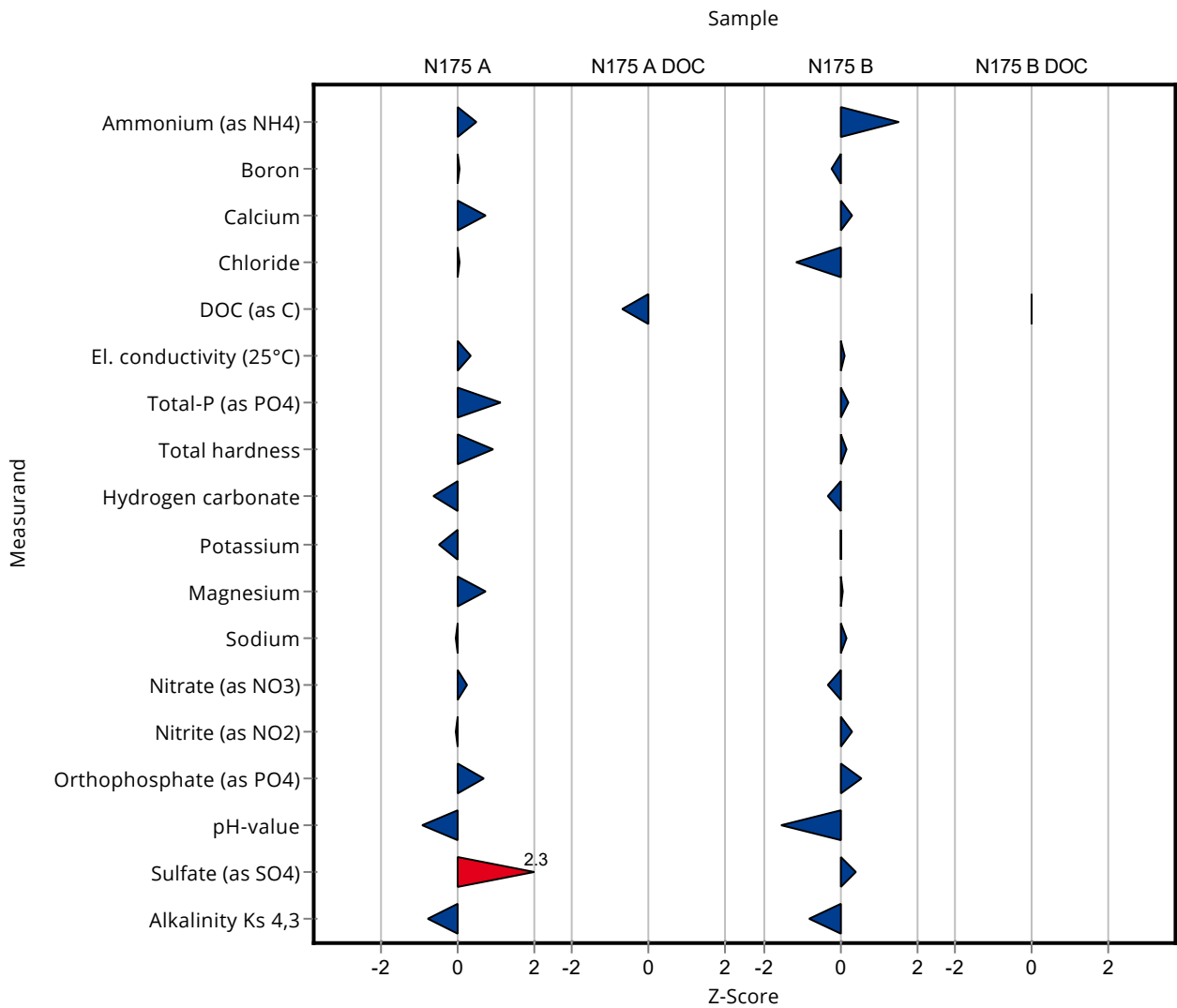
Summary of results Nutrients/Major Ions N175

Labcode: LC0014

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	2.2 ± 0.31	0.162	102	0.21
Total hardness	mmol/l	2.34 ± 0.0174	2.35 ± 0.12	0.0701	101	0.18
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	219 ± 17.5	4.41	99.3	-0.34
Potassium	mg/l	2.58 ± 0.0293	2.58 ± 0.21	0.134	100	0.01
Magnesium	mg/l	15.6 ± 0.182	15.6 ± 1.3	0.622	100	0.07
Sodium	mg/l	16.4 ± 0.195	16.5 ± 1.3	0.558	101	0.18
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	22.9 ± 1.4	1.16	98.4	-0.33
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.69 ± 0.09	0.036	102	0.32
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.404 ± 0.077	0.0629	109	0.54
pH-value	-	7.63 ± 0.0362	7.4 ± 0.2	0.153	97	-1.52
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	32.5 ± 2	1.06	101	0.40
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.58 ± 0.18	0.0728	98.4	-0.81

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.46 ± 0.48	0.346	99.9	-0.01



Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.037 ± 0.008	0.00643	109	0.20
Boron	mg/l	0.0597 ± 0.00224	0.0601 ± 0.006	0.00657	101	0.03
Calcium	mg/l	165 ± 1.53	169 ± 10	5.12	102	0.19
Chloride	mg/l	102 ± 0.706	102 ± 8	4.07	100	0.02
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1169 ± 35	15.1	100	0.08
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.175 ± 0.042	0.0121	108	0.16
Total hardness	mmol/l	5.74 ± 0.0381	5.9 ± 0.3	0.172	103	0.27
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	444 ± 36	8.99	98.8	-0.08
Potassium	mg/l	2.56 ± 0.0428	2.5 ± 0.2	0.133	97.5	-0.16
Magnesium	mg/l	38.6 ± 0.337	39.8 ± 2.8	1.55	103	0.21
Sodium	mg/l	26.5 ± 0.22	26.4 ± 1.6	0.899	99.8	-0.02
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12.75 ± 0.77	0.629	101	0.11
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.038 ± 0.005	0.00298	99.5	-0.02
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.095 ± 0.018	0.0121	110	0.23
pH-value	-	7.54 ± 0.0389	7.4 ± 0.2	0.151	98.1	-0.35
Sulfate (as SO ₄)	mg/l	106 ± 0.909	114 ± 7	3.49	108	0.58
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.28 ± 0.37	0.148	98.5	-0.15

Sample: N175ADOC

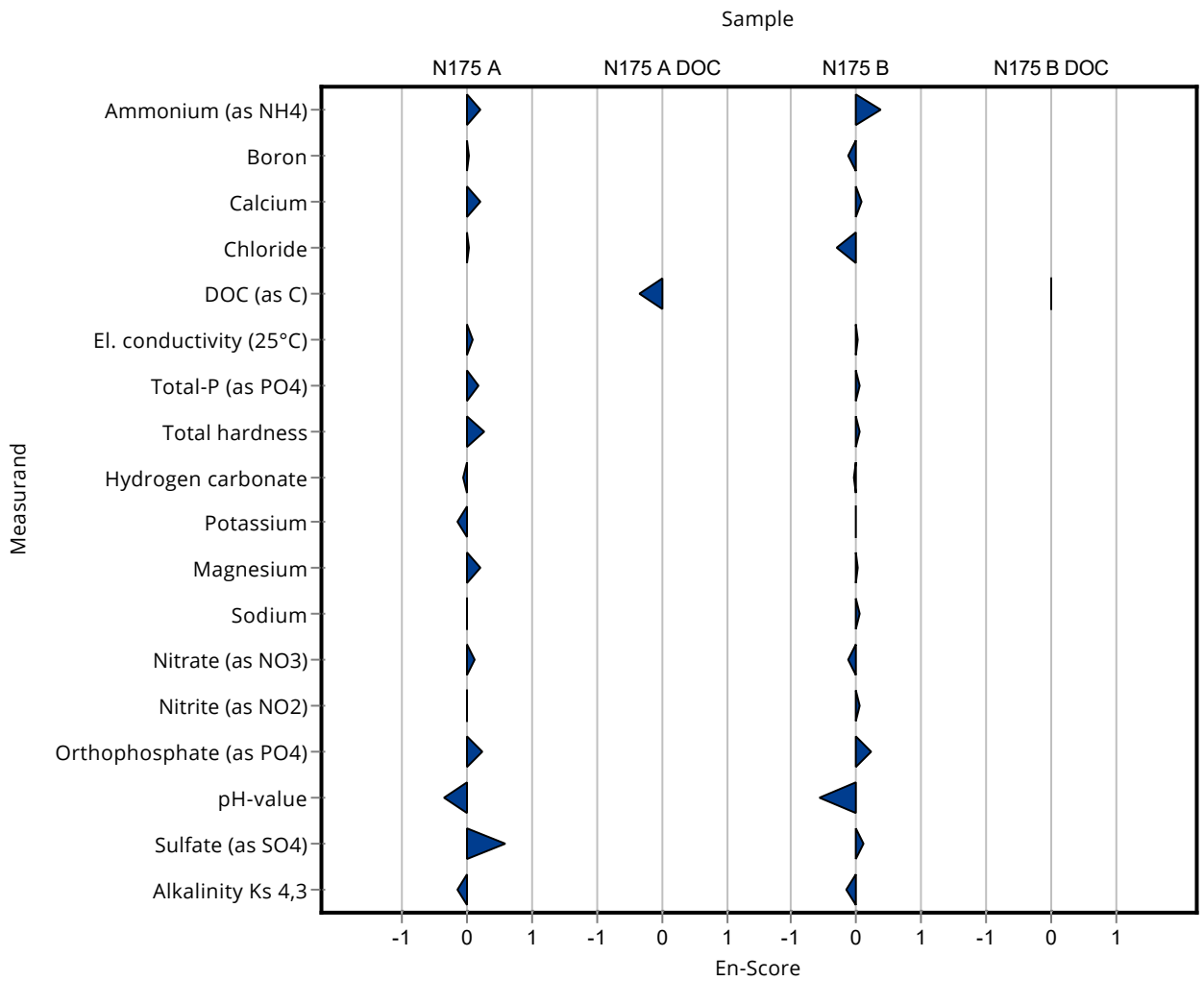
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.35 ± 0.19	0.193	91.1	-0.34

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.364 ± 0.076	0.0369	118	0.37
Boron	mg/l	0.0176 ± 0.00104	0.0171 ± 0.0017	0.00211	97.4	-0.13
Calcium	mg/l	67.4 ± 0.625	68 ± 4	2.09	101	0.07
Chloride	mg/l	29.3 ± 0.251	27.9 ± 2.2	1.17	95.3	-0.31
El. conductivity (25°C)	µS/cm	533 ± 1.36	534 ± 16	6.93	100	0.02
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	2.2 ± 0.31	0.162	102	0.06
Total hardness	mmol/l	2.34 ± 0.0174	2.35 ± 0.12	0.0701	101	0.05
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	219 ± 17.5	4.41	99.3	-0.04
Potassium	mg/l	2.58 ± 0.0293	2.58 ± 0.21	0.134	100	0.00
Magnesium	mg/l	15.6 ± 0.182	15.6 ± 1.3	0.622	100	0.02
Sodium	mg/l	16.4 ± 0.195	16.5 ± 1.3	0.558	101	0.04
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	22.9 ± 1.4	1.16	98.4	-0.14
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.69 ± 0.09	0.036	102	0.06
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.404 ± 0.077	0.0629	109	0.22
pH-value	-	7.63 ± 0.0362	7.4 ± 0.2	0.153	97	-0.58
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	32.5 ± 2	1.06	101	0.11
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.58 ± 0.18	0.0728	98.4	-0.16

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.46 ± 0.48	0.346	99.9	0.00



Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.03367 ± 0.0038	0.00643	99.5	-0.03
Boron	mg/l	0.0597 ± 0.00224	0.05815 ± 0.00872	0.00657	97.4	-0.24
Calcium	mg/l	165 ± 1.53	161.3 ± 24.2	5.12	97.7	-0.76
Chloride	mg/l	102 ± 0.706	106.8 ± 16	4.07	105	1.25
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1158 ± 173	15.1	99.5	-0.35
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.171 ± 0.0257	0.0121	106	0.79
Total hardness	mmol/l	5.74 ± 0.0381	5.633 ± 0.845	0.172	98.2	-0.60
Total nitrogen	mg/l	2.96 ± 0.0892	3.126 ± 0.469	0.246	105	0.66
Hydrogen carbonate	mg/l	450 ± 1.44	466.8 ± 70	8.99	104	1.92
Potassium	mg/l	2.56 ± 0.0428	2.379 ± 0.357	0.133	92.8	-1.39
Magnesium	mg/l	38.6 ± 0.337	38.04 ± 5.71	1.55	98.5	-0.38
Sodium	mg/l	26.5 ± 0.22	26.27 ± 3.94	0.899	99.3	-0.21
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	13.08 ± 2.16	0.629	104	0.78
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.04167 ± 0.0063	0.00298	109	1.17
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.088 ± 0.0132	0.0121	102	0.12
pH-value	-	7.54 ± 0.0389	7.355 ± 0.37	0.151	97.5	-1.24
Sulfate (as SO ₄)	mg/l	106 ± 0.909	109.5 ± 16.43	3.49	103	1.05
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.65 ± 1.148	0.148	103	1.75

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.243 ± 0.186	0.193	83.9	-1.24

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.2867 ± 0.043	0.0369	93.3	-0.56
Boron	mg/l	0.0176 ± 0.00104	0.01694 ± 0.0025	0.00211	96.5	-0.29
Calcium	mg/l	67.4 ± 0.625	66.88 ± 10.02	2.09	99.2	-0.25
Chloride	mg/l	29.3 ± 0.251	31 ± 4.65	1.17	106	1.48
El. conductivity (25°C)	µS/cm	533 ± 1.36	535 ± 80.3	6.93	100	0.25

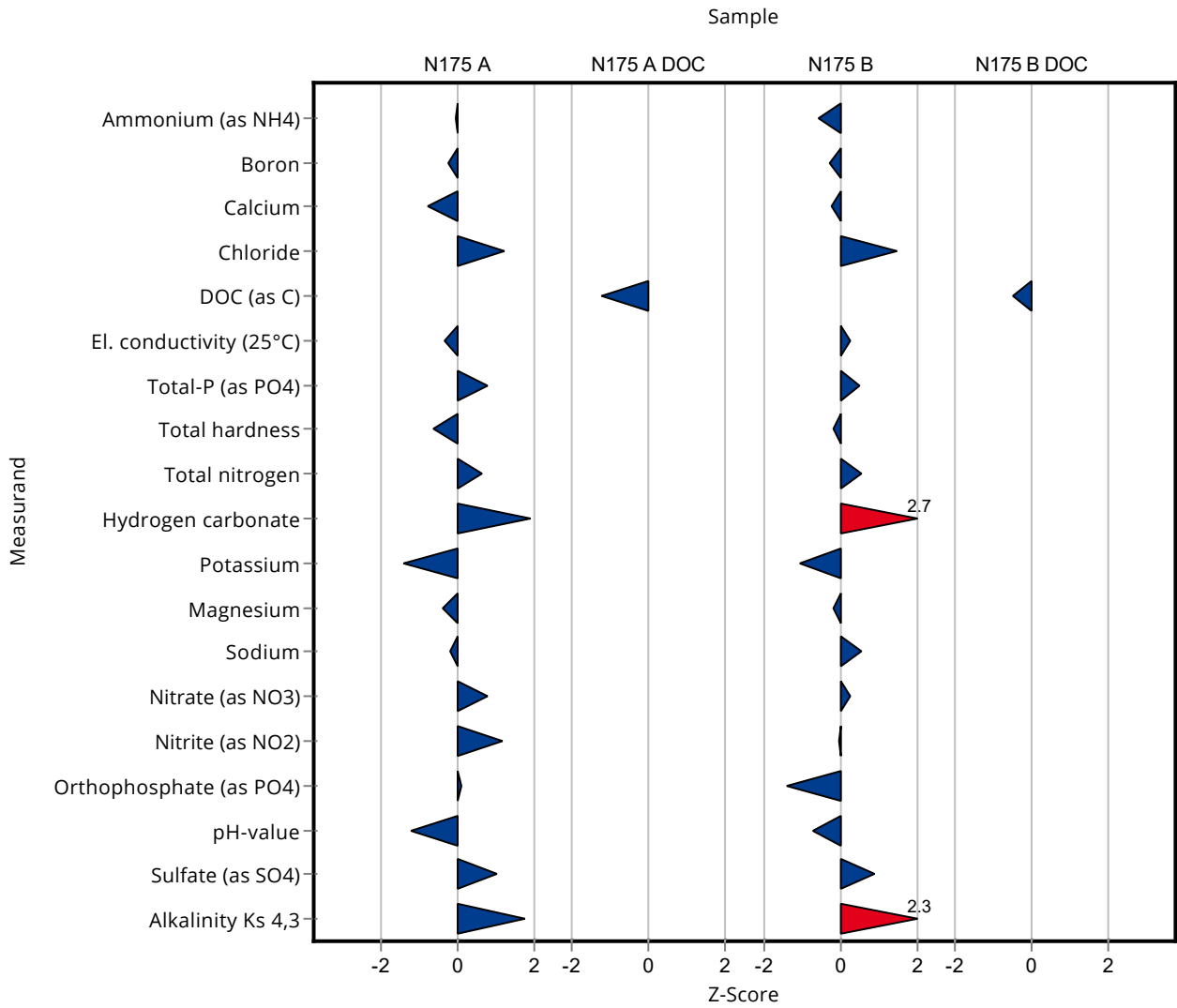
Summary of results Nutrients/Major Ions N175

Labcode: LC0015

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	2.247 ± 0.337	0.162	104	0.50
Total hardness	mmol/l	2.34 ± 0.0174	2.325 ± 0.349	0.0701	99.5	-0.17
Total nitrogen	mg/l	5.8 ± 0.138	6.068 ± 0.91	0.482	105	0.55
Hydrogen carbonate	mg/l	220 ± 0.967	232.2 ± 34.8	4.41	105	2.66
Potassium	mg/l	2.58 ± 0.0293	2.434 ± 0.365	0.134	94.4	-1.08
Magnesium	mg/l	15.6 ± 0.182	15.45 ± 2.32	0.622	99.3	-0.17
Sodium	mg/l	16.4 ± 0.195	16.71 ± 2.51	0.558	102	0.56
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	23.57 ± 3.88	1.16	101	0.25
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.6773 ± 0.1016	0.036	99.8	-0.03
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.282 ± 0.0423	0.0629	76.2	-1.40
pH-value	-	7.63 ± 0.0362	7.52 ± 0.376	0.153	98.5	-0.74
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	33 ± 4.95	1.06	103	0.88
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.805 ± 0.571	0.0728	105	2.28

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.288 ± 0.493	0.346	95	-0.50



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.03367 ± 0.0038	0.00643	99.5	-0.02
Boron	mg/l	0.0597 ± 0.00224	0.05815 ± 0.00872	0.00657	97.4	-0.09
Calcium	mg/l	165 ± 1.53	161.3 ± 24.2	5.12	97.7	-0.08
Chloride	mg/l	102 ± 0.706	106.8 ± 16	4.07	105	0.16
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1158 ± 173	15.1	99.5	-0.02
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.171 ± 0.0257	0.0121	106	0.19
Total hardness	mmol/l	5.74 ± 0.0381	5.633 ± 0.845	0.172	98.2	-0.06
Total nitrogen	mg/l	2.96 ± 0.0892	3.126 ± 0.469	0.246	105	0.17
Hydrogen carbonate	mg/l	450 ± 1.44	466.8 ± 70	8.99	104	0.12
Potassium	mg/l	2.56 ± 0.0428	2.379 ± 0.357	0.133	92.8	-0.26
Magnesium	mg/l	38.6 ± 0.337	38.04 ± 5.71	1.55	98.5	-0.05
Sodium	mg/l	26.5 ± 0.22	26.27 ± 3.94	0.899	99.3	-0.02
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	13.08 ± 2.16	0.629	104	0.11
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.04167 ± 0.0063	0.00298	109	0.28
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.088 ± 0.0132	0.0121	102	0.05
pH-value	-	7.54 ± 0.0389	7.355 ± 0.37	0.151	97.5	-0.25
Sulfate (as SO ₄)	mg/l	106 ± 0.909	109.5 ± 16.43	3.49	103	0.11
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.65 ± 1.148	0.148	103	0.11

Sample: N175ADOC

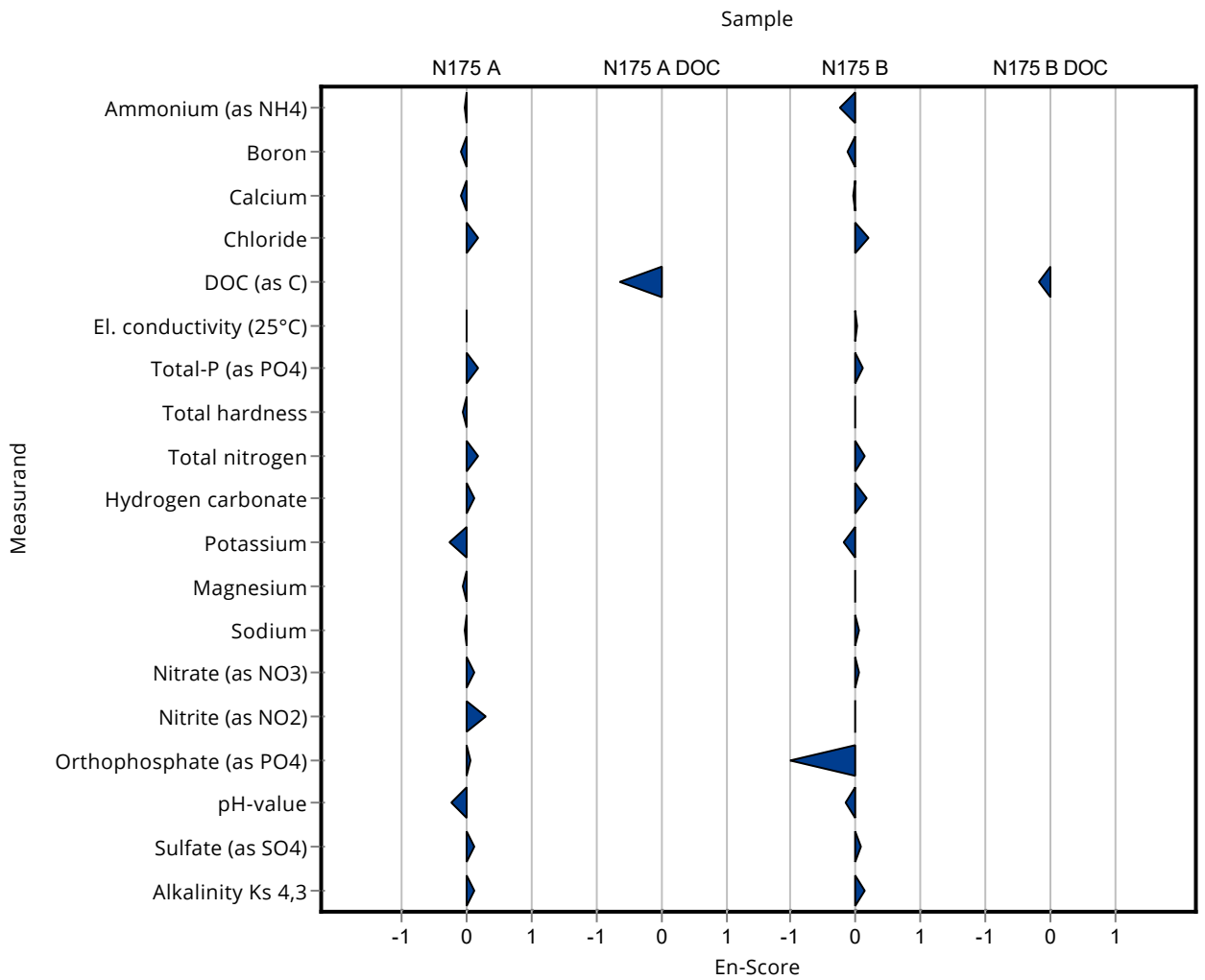
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.243 ± 0.186	0.193	83.9	-0.63

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.2867 ± 0.043	0.0369	93.3	-0.24
Boron	mg/l	0.0176 ± 0.00104	0.01694 ± 0.0025	0.00211	96.5	-0.12
Calcium	mg/l	67.4 ± 0.625	66.88 ± 10.02	2.09	99.2	-0.03
Chloride	mg/l	29.3 ± 0.251	31 ± 4.65	1.17	106	0.19
El. conductivity (25°C)	µS/cm	533 ± 1.36	535 ± 80.3	6.93	100	0.01
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	2.247 ± 0.337	0.162	104	0.12
Total hardness	mmol/l	2.34 ± 0.0174	2.325 ± 0.349	0.0701	99.5	-0.02
Total nitrogen	mg/l	5.8 ± 0.138	6.068 ± 0.91	0.482	105	0.14
Hydrogen carbonate	mg/l	220 ± 0.967	232.2 ± 34.8	4.41	105	0.17
Potassium	mg/l	2.58 ± 0.0293	2.434 ± 0.365	0.134	94.4	-0.20
Magnesium	mg/l	15.6 ± 0.182	15.45 ± 2.32	0.622	99.3	-0.02
Sodium	mg/l	16.4 ± 0.195	16.71 ± 2.51	0.558	102	0.06
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	23.57 ± 3.88	1.16	101	0.04
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.6773 ± 0.1016	0.036	99.8	-0.01
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.282 ± 0.0423	0.0629	76.2	-1.00
pH-value	-	7.63 ± 0.0362	7.52 ± 0.376	0.153	98.5	-0.15
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	33 ± 4.95	1.06	103	0.09
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.805 ± 0.571	0.0728	105	0.15

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.288 ± 0.493	0.346	95	-0.18



Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.0322 ± 0.00199	0.00643	95.1	-0.26
Boron	mg/l	0.0597 ± 0.00224	0.0539 ± 0.0019	0.00657	90.3	-0.88
Calcium	mg/l	165 ± 1.53	167 ± 2.5	5.12	101	0.36
Chloride	mg/l	102 ± 0.706	101 ± 12	4.07	99.3	-0.17
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1110 ± 13.7	15.1	95.4	-3.53
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.158 ± 0.0067	0.0121	97.9	-0.28
Total hardness	mmol/l	5.74 ± 0.0381	5.77 ± 0.23	0.172	101	0.19
Total nitrogen	mg/l	2.96 ± 0.0892	2.8 ± 0.19	0.246	94.5	-0.67
Hydrogen carbonate	mg/l	450 ± 1.44	451 ± 24.3	8.99	100	0.16
Potassium	mg/l	2.56 ± 0.0428	2.72 ± 0.08	0.133	106	1.17
Magnesium	mg/l	38.6 ± 0.337	39 ± 0.5	1.55	101	0.24
Sodium	mg/l	26.5 ± 0.22	26 ± 0.5	0.899	98.3	-0.51
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12.3 ± 0.83	0.629	97.7	-0.46
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.0195 ± 0.0015	0.00298	51.1	-6.27
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	<1 (LOQ) ± -	0.0121	-	-
pH-value	-	7.54 ± 0.0389	7.68 ± 0.09	0.151	102	0.92
Sulfate (as SO ₄)	mg/l	106 ± 0.909	105 ± 7.1	3.49	99.2	-0.24
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.4 ± 0.4	0.148	100	0.06

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.53 ± 0.086	0.193	103	0.25

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.303 ± 0.0205	0.0369	98.6	-0.11
Boron	mg/l	0.0176 ± 0.00104	0.015 ± 0.0005	0.00211	85.4	-1.21
Calcium	mg/l	67.4 ± 0.625	68.5 ± 1.3	2.09	102	0.53
Chloride	mg/l	29.3 ± 0.251	28.8 ± 3.4	1.17	98.4	-0.40
El. conductivity (25°C)	µS/cm	533 ± 1.36	516 ± 6.35	6.93	96.8	-2.49

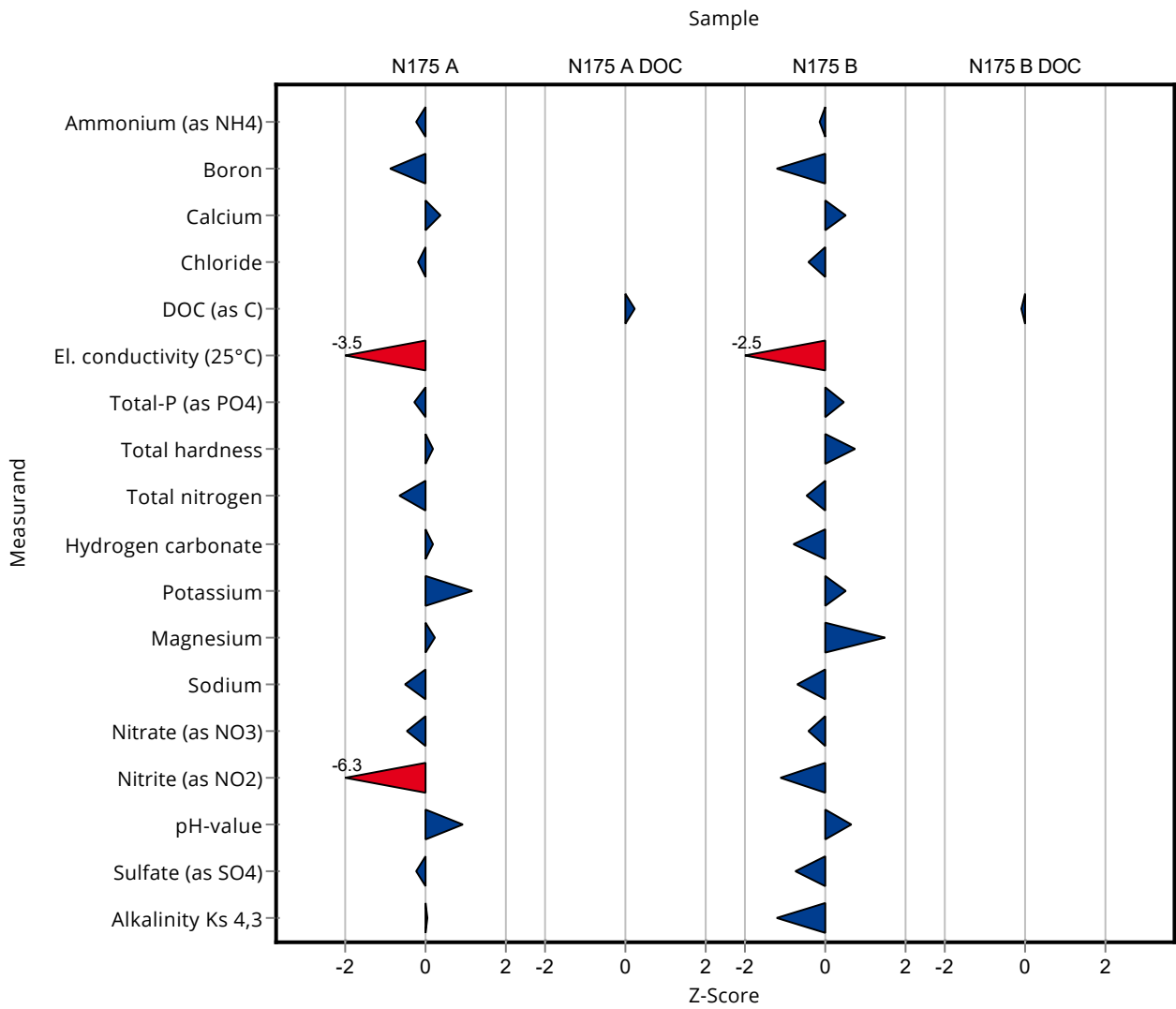
Summary of results Nutrients/Major Ions N175

Labcode: LC0016

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	2.24 ± 0.095	0.162	103	0.46
Total hardness	mmol/l	2.34 ± 0.0174	2.39 ± 0.0956	0.0701	102	0.75
Total nitrogen	mg/l	5.8 ± 0.138	5.57 ± 0.38	0.482	96	-0.49
Hydrogen carbonate	mg/l	220 ± 0.967	217 ± 11.7	4.41	98.4	-0.79
Potassium	mg/l	2.58 ± 0.0293	2.65 ± 0.078	0.134	103	0.53
Magnesium	mg/l	15.6 ± 0.182	16.5 ± 0.21	0.622	106	1.52
Sodium	mg/l	16.4 ± 0.195	16 ± 0.31	0.558	97.6	-0.72
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	22.8 ± 1.54	1.16	97.9	-0.41
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.638 ± 0.048	0.036	94	-1.12
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	<1 (LOQ) ± -	0.0629	-	-
pH-value	-	7.63 ± 0.0362	7.73 ± 0.09	0.153	101	0.64
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	31.3 ± 2.1	1.06	97.6	-0.73
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.55 ± 0.19	0.0728	97.5	-1.23

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.44 ± 0.19	0.346	99.4	-0.06



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.0322 ± 0.00199	0.00643	95.1	-0.36
Boron	mg/l	0.0597 ± 0.00224	0.0539 ± 0.0019	0.00657	90.3	-1.32
Calcium	mg/l	165 ± 1.53	167 ± 2.5	5.12	101	0.35
Chloride	mg/l	102 ± 0.706	101 ± 12	4.07	99.3	-0.03
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1110 ± 13.7	15.1	95.4	-1.94
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.158 ± 0.0067	0.0121	97.9	-0.25
Total hardness	mmol/l	5.74 ± 0.0381	5.77 ± 0.23	0.172	101	0.07
Total nitrogen	mg/l	2.96 ± 0.0892	2.8 ± 0.19	0.246	94.5	-0.42
Hydrogen carbonate	mg/l	450 ± 1.44	451 ± 24.3	8.99	100	0.03
Potassium	mg/l	2.56 ± 0.0428	2.72 ± 0.08	0.133	106	0.94
Magnesium	mg/l	38.6 ± 0.337	39 ± 0.5	1.55	101	0.35
Sodium	mg/l	26.5 ± 0.22	26 ± 0.5	0.899	98.3	-0.44
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12.3 ± 0.83	0.629	97.7	-0.17
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.0195 ± 0.0015	0.00298	51.1	-5.90
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	<1 (LOQ) ± -	0.0121	-	-
pH-value	-	7.54 ± 0.0389	7.68 ± 0.09	0.151	102	0.75
Sulfate (as SO ₄)	mg/l	106 ± 0.909	105 ± 7.1	3.49	99.2	-0.06
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.4 ± 0.4	0.148	100	0.01

Sample: N175ADOC

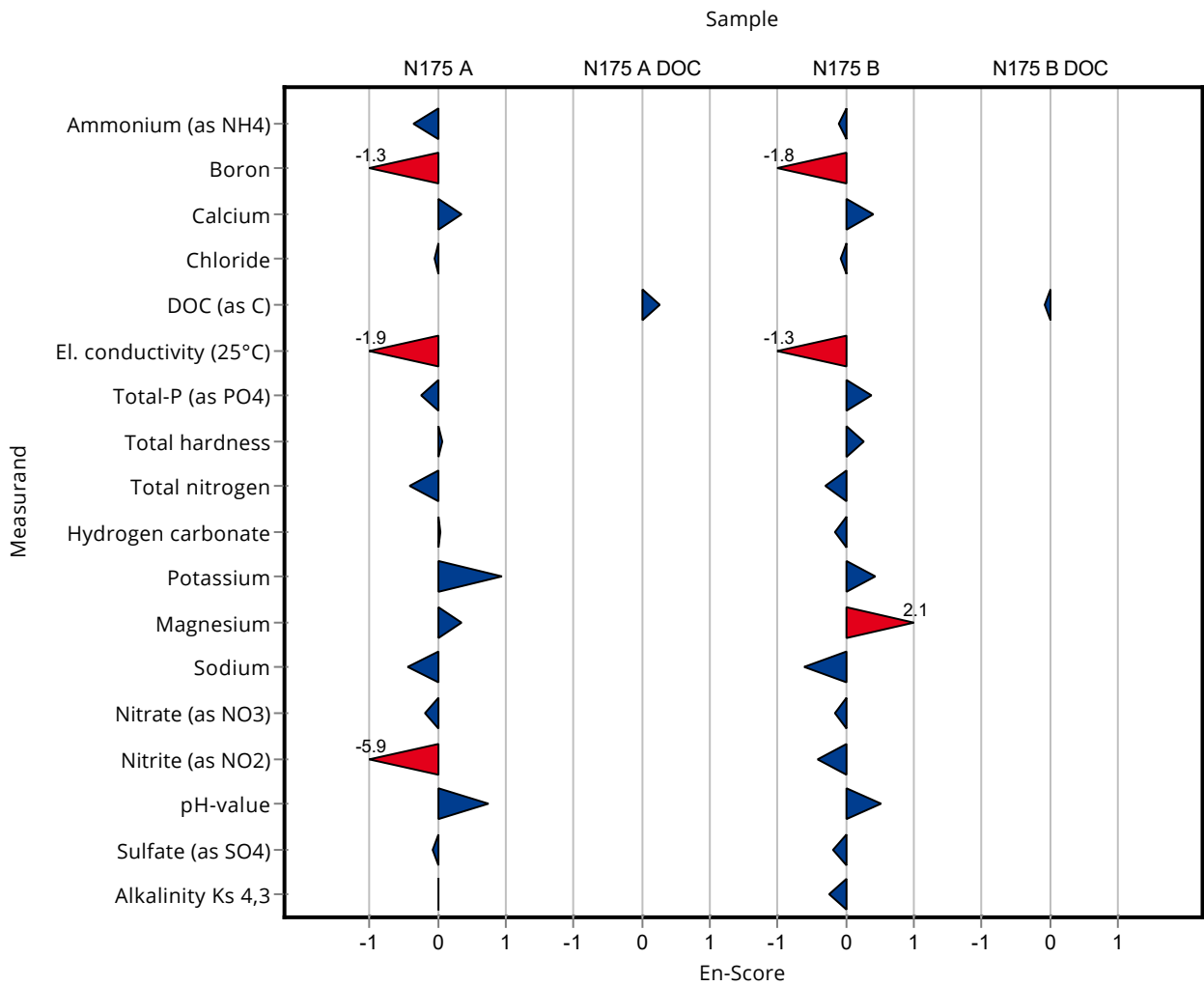
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.53 ± 0.086	0.193	103	0.27

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.303 ± 0.0205	0.0369	98.6	-0.10
Boron	mg/l	0.0176 ± 0.00104	0.015 ± 0.0005	0.00211	85.4	-1.77
Calcium	mg/l	67.4 ± 0.625	68.5 ± 1.3	2.09	102	0.41
Chloride	mg/l	29.3 ± 0.251	28.8 ± 3.4	1.17	98.4	-0.07
El. conductivity (25°C)	µS/cm	533 ± 1.36	516 ± 6.35	6.93	96.8	-1.35
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	2.24 ± 0.095	0.162	103	0.38
Total hardness	mmol/l	2.34 ± 0.0174	2.39 ± 0.0956	0.0701	102	0.27
Total nitrogen	mg/l	5.8 ± 0.138	5.57 ± 0.38	0.482	96	-0.30
Hydrogen carbonate	mg/l	220 ± 0.967	217 ± 11.7	4.41	98.4	-0.15
Potassium	mg/l	2.58 ± 0.0293	2.65 ± 0.078	0.134	103	0.45
Magnesium	mg/l	15.6 ± 0.182	16.5 ± 0.21	0.622	106	2.06
Sodium	mg/l	16.4 ± 0.195	16 ± 0.31	0.558	97.6	-0.62
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	22.8 ± 1.54	1.16	97.9	-0.16
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.638 ± 0.048	0.036	94	-0.42
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	<1 (LOQ) ± -	0.0629	-	-
pH-value	-	7.63 ± 0.0362	7.73 ± 0.09	0.153	101	0.53
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	31.3 ± 2.1	1.06	97.6	-0.18
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.55 ± 0.19	0.0728	97.5	-0.23

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.44 ± 0.19	0.346	99.4	-0.06



Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.373 ± 0.0559	0.00643	1100	52.73
Boron	mg/l	0.0597 ± 0.00224	0.0618 ± 0.0048	0.00657	103	0.32
Calcium	mg/l	165 ± 1.53	- ± -	5.12	-	-
Chloride	mg/l	102 ± 0.706	102.819 ± 15.423	4.07	101	0.27
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1179 ± 176.9	15.1	101	1.03
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.1527 ± 0.0229	0.0121	94.6	-0.72
Total hardness	mmol/l	5.74 ± 0.0381	- ± -	0.172	-	-
Total nitrogen	mg/l	2.96 ± 0.0892	3.22 ± 0.48	0.246	109	1.04
Hydrogen carbonate	mg/l	450 ± 1.44	446.59 ± 66.989	8.99	99.3	-0.33
Potassium	mg/l	2.56 ± 0.0428	- ± -	0.133	-	-
Magnesium	mg/l	38.6 ± 0.337	- ± -	1.55	-	-
Sodium	mg/l	26.5 ± 0.22	- ± -	0.899	-	-
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12.607 ± 1.891	0.629	100	0.03
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.0392 ± 0.0059	0.00298	103	0.34
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.0858 ± 0.0129	0.0121	99.1	-0.06
pH-value	-	7.54 ± 0.0389	7.64 ± 1.15	0.151	101	0.65
Sulfate (as SO ₄)	mg/l	106 ± 0.909	108.13 ± 16.22	3.49	102	0.66
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.37 ± 1.01	0.148	99.7	-0.14

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.46 ± 0.22	0.193	98.5	-0.11

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.284 ± 0.043	0.0369	92.4	-0.63
Boron	mg/l	0.0176 ± 0.00104	0.0177 ± 0.0027	0.00211	101	0.07
Calcium	mg/l	67.4 ± 0.625	- ± -	2.09	-	-
Chloride	mg/l	29.3 ± 0.251	30.28 ± 4.54	1.17	103	0.87
El. conductivity (25°C)	µS/cm	533 ± 1.36	549 ± 82.4	6.93	103	2.27

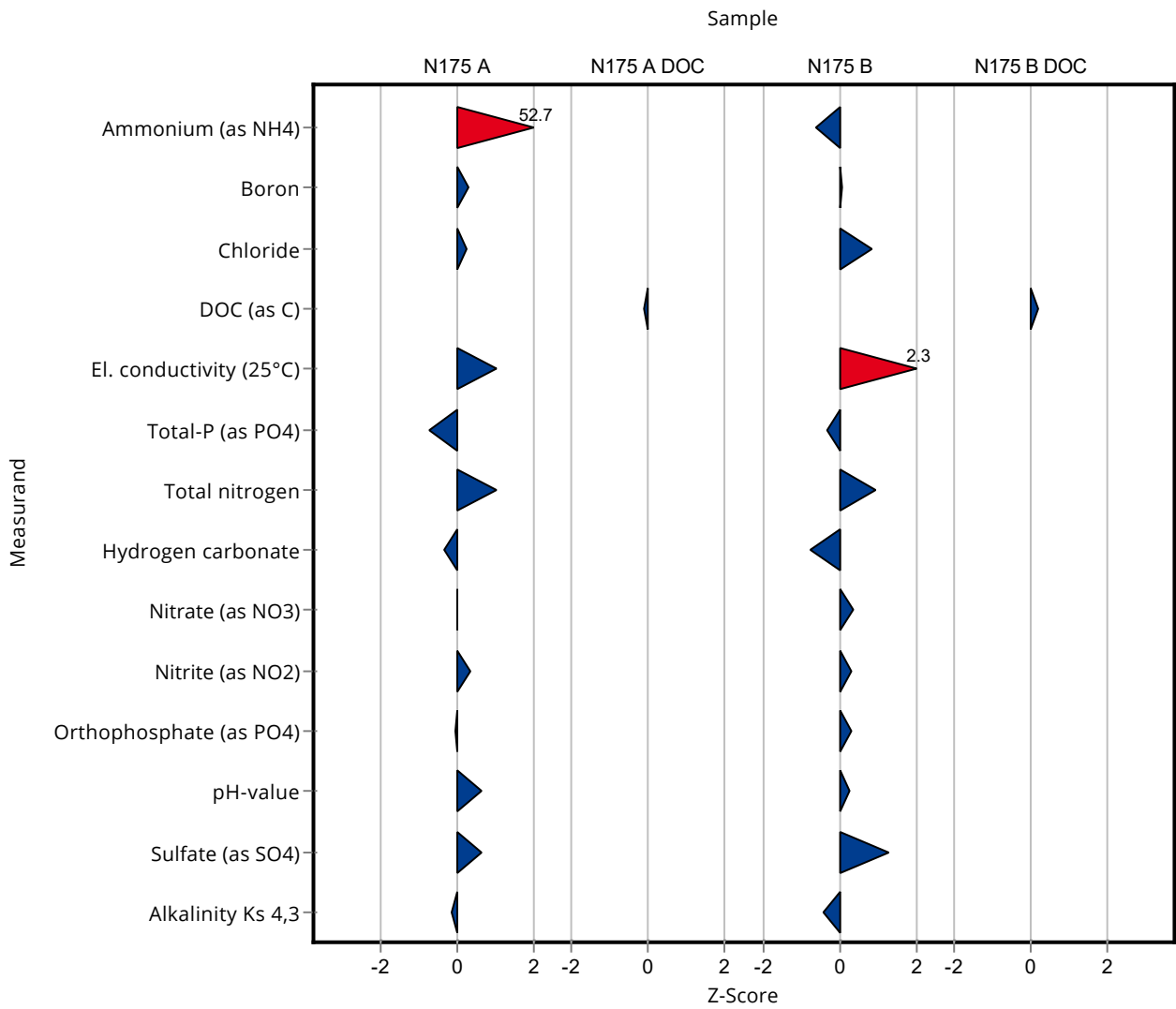
Summary of results Nutrients/Major Ions N175

Labcode: LC0017

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	2.113 ± 0.317	0.162	97.6	-0.32
Total hardness	mmol/l	2.34 ± 0.0174	- ± -	0.0701	-	-
Total nitrogen	mg/l	5.8 ± 0.138	6.26 ± 0.94	0.482	108	0.95
Hydrogen carbonate	mg/l	220 ± 0.967	217.19 ± 32.6	4.41	98.5	-0.75
Potassium	mg/l	2.58 ± 0.0293	- ± -	0.134	-	-
Magnesium	mg/l	15.6 ± 0.182	- ± -	0.622	-	-
Sodium	mg/l	16.4 ± 0.195	- ± -	0.558	-	-
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	23.69 ± 3.55	1.16	102	0.35
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.69 ± 0.104	0.036	102	0.32
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.391 ± 0.059	0.0629	106	0.33
pH-value	-	7.63 ± 0.0362	7.67 ± 1.15	0.153	100	0.24
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	33.43 ± 5.01	1.06	104	1.28
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.61 ± 0.54	0.0728	99.2	-0.40

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.52 ± 0.53	0.346	102	0.17



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.373 ± 0.0559	0.00643	1100	3.03
Boron	mg/l	0.0597 ± 0.00224	0.0618 ± 0.0048	0.00657	103	0.21
Calcium	mg/l	165 ± 1.53	- ± -	5.12	-	-
Chloride	mg/l	102 ± 0.706	102.819 ± 15.423	4.07	101	0.04
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1179 ± 176.9	15.1	101	0.04
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.1527 ± 0.0229	0.0121	94.6	-0.19
Total hardness	mmol/l	5.74 ± 0.0381	- ± -	0.172	-	-
Total nitrogen	mg/l	2.96 ± 0.0892	3.22 ± 0.48	0.246	109	0.27
Hydrogen carbonate	mg/l	450 ± 1.44	446.59 ± 66.989	8.99	99.3	-0.02
Potassium	mg/l	2.56 ± 0.0428	- ± -	0.133	-	-
Magnesium	mg/l	38.6 ± 0.337	- ± -	1.55	-	-
Sodium	mg/l	26.5 ± 0.22	- ± -	0.899	-	-
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12.607 ± 1.891	0.629	100	0.01
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.0392 ± 0.0059	0.00298	103	0.09
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.0858 ± 0.0129	0.0121	99.1	-0.03
pH-value	-	7.54 ± 0.0389	7.64 ± 1.15	0.151	101	0.04
Sulfate (as SO ₄)	mg/l	106 ± 0.909	108.13 ± 16.22	3.49	102	0.07
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.37 ± 1.01	0.148	99.7	-0.01

Sample: N175ADOC

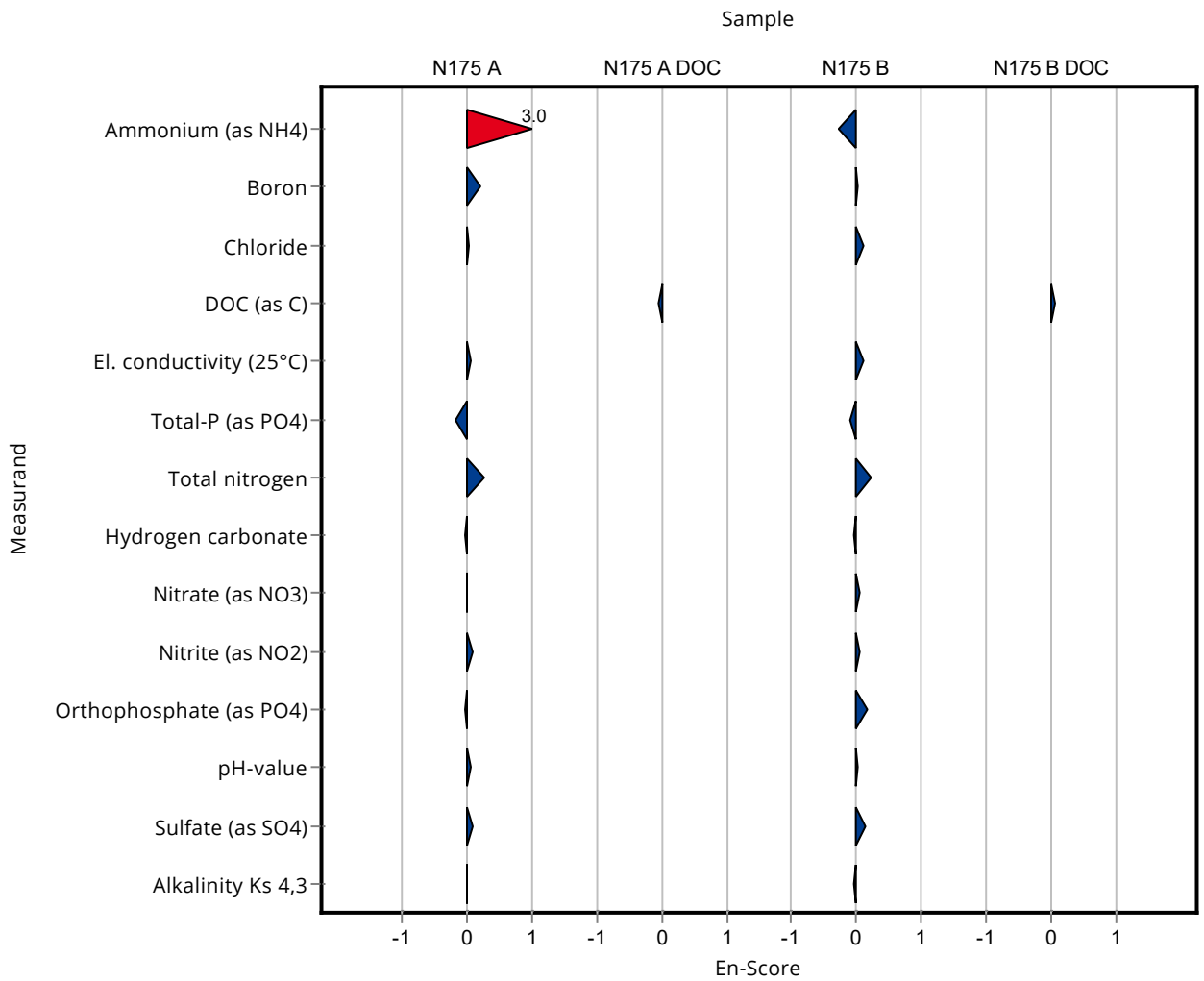
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.46 ± 0.22	0.193	98.5	-0.05

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.284 ± 0.043	0.0369	92.4	-0.27
Boron	mg/l	0.0176 ± 0.00104	0.0177 ± 0.0027	0.00211	101	0.03
Calcium	mg/l	67.4 ± 0.625	- ± -	2.09	-	-
Chloride	mg/l	29.3 ± 0.251	30.28 ± 4.54	1.17	103	0.11
El. conductivity (25°C)	µS/cm	533 ± 1.36	549 ± 82.4	6.93	103	0.10
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	2.113 ± 0.317	0.162	97.6	-0.08
Total hardness	mmol/l	2.34 ± 0.0174	- ± -	0.0701	-	-
Total nitrogen	mg/l	5.8 ± 0.138	6.26 ± 0.94	0.482	108	0.24
Hydrogen carbonate	mg/l	220 ± 0.967	217.19 ± 32.6	4.41	98.5	-0.05
Potassium	mg/l	2.58 ± 0.0293	- ± -	0.134	-	-
Magnesium	mg/l	15.6 ± 0.182	- ± -	0.622	-	-
Sodium	mg/l	16.4 ± 0.195	- ± -	0.558	-	-
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	23.69 ± 3.55	1.16	102	0.06
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.69 ± 0.104	0.036	102	0.06
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.391 ± 0.059	0.0629	106	0.17
pH-value	-	7.63 ± 0.0362	7.67 ± 1.15	0.153	100	0.02
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	33.43 ± 5.01	1.06	104	0.14
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.61 ± 0.54	0.0728	99.2	-0.03

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.52 ± 0.53	0.346	102	0.05



Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	- ± -	0.00643	-	-
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	- ± -	5.12	-	-
Chloride	mg/l	102 ± 0.706	- ± -	4.07	-	-
El. conductivity (25°C)	µS/cm	1160 ± 3.02	- ± -	15.1	-	-
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	- ± -	0.0121	-	-
Total hardness	mmol/l	5.74 ± 0.0381	- ± -	0.172	-	-
Total nitrogen	mg/l	2.96 ± 0.0892	3.01 ± 0.15	0.246	102	0.19
Hydrogen carbonate	mg/l	450 ± 1.44	- ± -	8.99	-	-
Potassium	mg/l	2.56 ± 0.0428	- ± -	0.133	-	-
Magnesium	mg/l	38.6 ± 0.337	- ± -	1.55	-	-
Sodium	mg/l	26.5 ± 0.22	- ± -	0.899	-	-
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	- ± -	0.629	-	-
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	- ± -	0.00298	-	-
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	- ± -	0.0121	-	-
pH-value	-	7.54 ± 0.0389	7.48 ± 0.001	0.151	99.2	-0.41
Sulfate (as SO ₄)	mg/l	106 ± 0.909	- ± -	3.49	-	-
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	- ± -	0.148	-	-

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	- ± -	0.193	-	-

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	- ± -	0.0369	-	-
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	- ± -	2.09	-	-
Chloride	mg/l	29.3 ± 0.251	- ± -	1.17	-	-
El. conductivity (25°C)	µS/cm	533 ± 1.36	- ± -	6.93	-	-

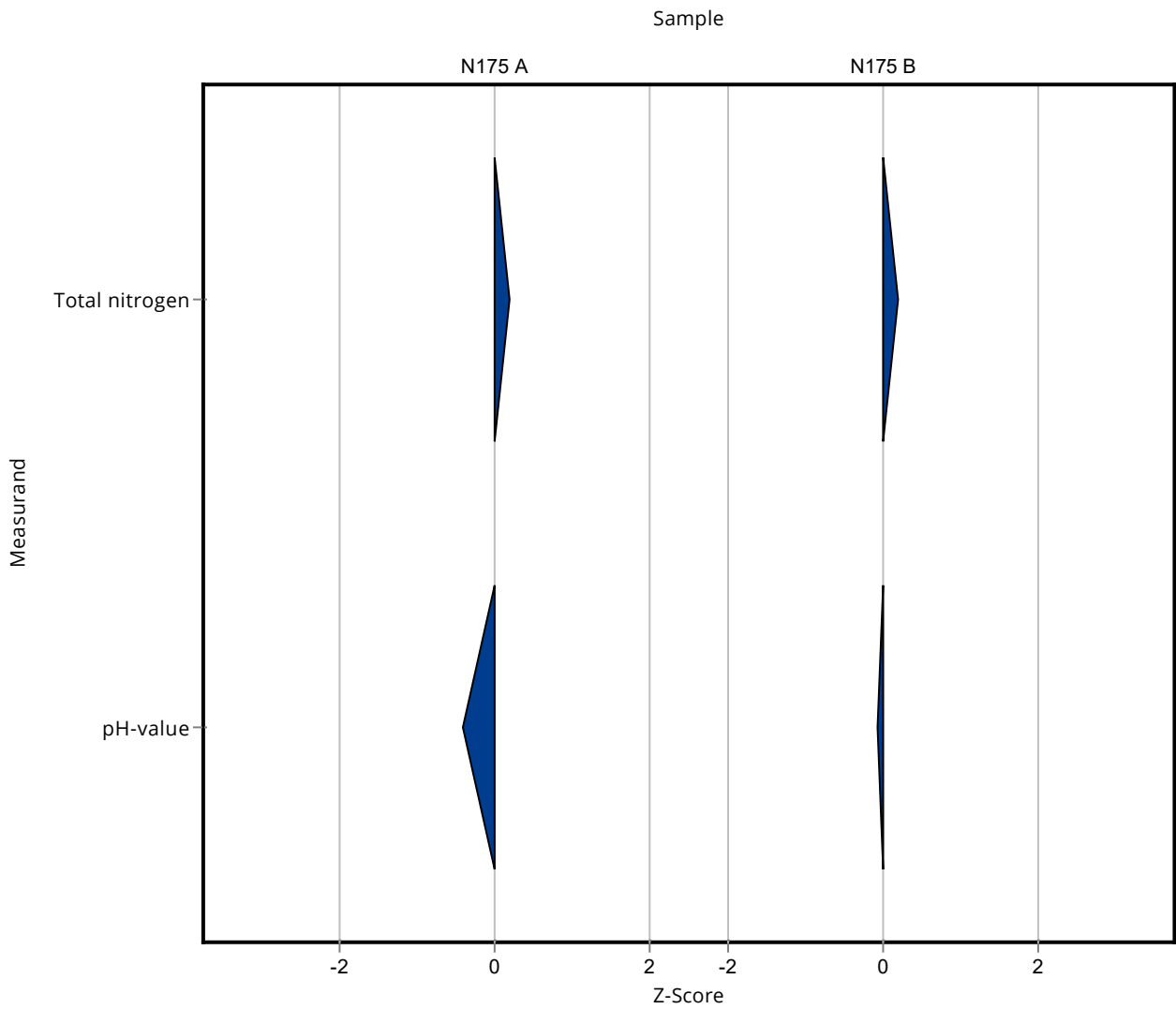
Summary of results Nutrients/Major Ions N175

Labcode: LC0018

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	- ± -	0.162	-	-
Total hardness	mmol/l	2.34 ± 0.0174	- ± -	0.0701	-	-
Total nitrogen	mg/l	5.8 ± 0.138	5.9 ± 0.29	0.482	102	0.20
Hydrogen carbonate	mg/l	220 ± 0.967	- ± -	4.41	-	-
Potassium	mg/l	2.58 ± 0.0293	- ± -	0.134	-	-
Magnesium	mg/l	15.6 ± 0.182	- ± -	0.622	-	-
Sodium	mg/l	16.4 ± 0.195	- ± -	0.558	-	-
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	- ± -	1.16	-	-
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	- ± -	0.036	-	-
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	- ± -	0.0629	-	-
pH-value	-	7.63 ± 0.0362	7.62 ± 0.001	0.153	99.8	-0.08
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	- ± -	1.06	-	-
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	- ± -	0.0728	-	-

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	- ± -	0.346	-	-



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	- ± -	0.00643	-	-
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	- ± -	5.12	-	-
Chloride	mg/l	102 ± 0.706	- ± -	4.07	-	-
El. conductivity (25°C)	µS/cm	1160 ± 3.02	- ± -	15.1	-	-
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	- ± -	0.0121	-	-
Total hardness	mmol/l	5.74 ± 0.0381	- ± -	0.172	-	-
Total nitrogen	mg/l	2.96 ± 0.0892	3.01 ± 0.15	0.246	102	0.15
Hydrogen carbonate	mg/l	450 ± 1.44	- ± -	8.99	-	-
Potassium	mg/l	2.56 ± 0.0428	- ± -	0.133	-	-
Magnesium	mg/l	38.6 ± 0.337	- ± -	1.55	-	-
Sodium	mg/l	26.5 ± 0.22	- ± -	0.899	-	-
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	- ± -	0.629	-	-
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	- ± -	0.00298	-	-
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	- ± -	0.0121	-	-
pH-value	-	7.54 ± 0.0389	7.48 ± 0.001	0.151	99.2	-1.57
Sulfate (as SO ₄)	mg/l	106 ± 0.909	- ± -	3.49	-	-
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	- ± -	0.148	-	-

Sample: N175ADOC

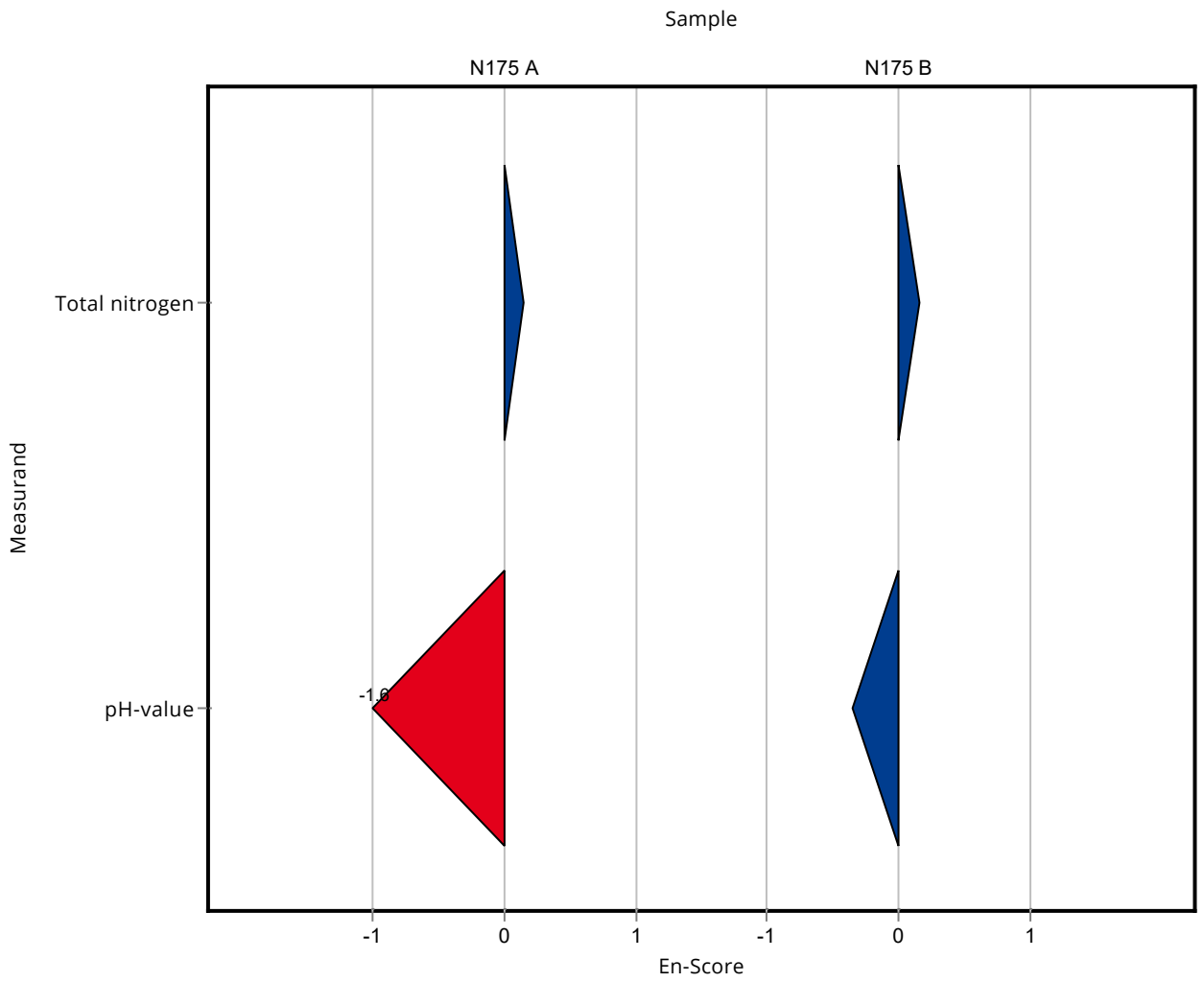
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	- ± -	0.193	-	-

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	- ± -	0.0369	-	-
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	- ± -	2.09	-	-
Chloride	mg/l	29.3 ± 0.251	- ± -	1.17	-	-
El. conductivity (25°C)	µS/cm	533 ± 1.36	- ± -	6.93	-	-
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	- ± -	0.162	-	-
Total hardness	mmol/l	2.34 ± 0.0174	- ± -	0.0701	-	-
Total nitrogen	mg/l	5.8 ± 0.138	5.9 ± 0.29	0.482	102	0.16
Hydrogen carbonate	mg/l	220 ± 0.967	- ± -	4.41	-	-
Potassium	mg/l	2.58 ± 0.0293	- ± -	0.134	-	-
Magnesium	mg/l	15.6 ± 0.182	- ± -	0.622	-	-
Sodium	mg/l	16.4 ± 0.195	- ± -	0.558	-	-
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	- ± -	1.16	-	-
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	- ± -	0.036	-	-
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	- ± -	0.0629	-	-
pH-value	-	7.63 ± 0.0362	7.62 ± 0.001	0.153	99.8	-0.35
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	- ± -	1.06	-	-
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	- ± -	0.0728	-	-

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	- ± -	0.346	-	-



Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	- ± -	0.00643	-	-
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	- ± -	5.12	-	-
Chloride	mg/l	102 ± 0.706	98 ± 6.9	4.07	96.4	-0.91
El. conductivity (25°C)	µS/cm	1160 ± 3.02	- ± -	15.1	-	-
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	- ± -	0.0121	-	-
Total hardness	mmol/l	5.74 ± 0.0381	- ± -	0.172	-	-
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	- ± -	8.99	-	-
Potassium	mg/l	2.56 ± 0.0428	- ± -	0.133	-	-
Magnesium	mg/l	38.6 ± 0.337	- ± -	1.55	-	-
Sodium	mg/l	26.5 ± 0.22	- ± -	0.899	-	-
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12 ± 0.54	0.629	95.3	-0.93
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	<0.12 (LOQ) ± -	0.00298	-	-
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	<0.12 (LOQ) ± -	0.0121	-	-
pH-value	-	7.54 ± 0.0389	- ± -	0.151	-	-
Sulfate (as SO ₄)	mg/l	106 ± 0.909	100 ± 7	3.49	94.5	-1.67
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	- ± -	0.148	-	-

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	- ± -	0.193	-	-

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	- ± -	0.0369	-	-
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	- ± -	2.09	-	-
Chloride	mg/l	29.3 ± 0.251	27 ± 1.8	1.17	92.3	-1.94
El. conductivity (25°C)	µS/cm	533 ± 1.36	- ± -	6.93	-	-

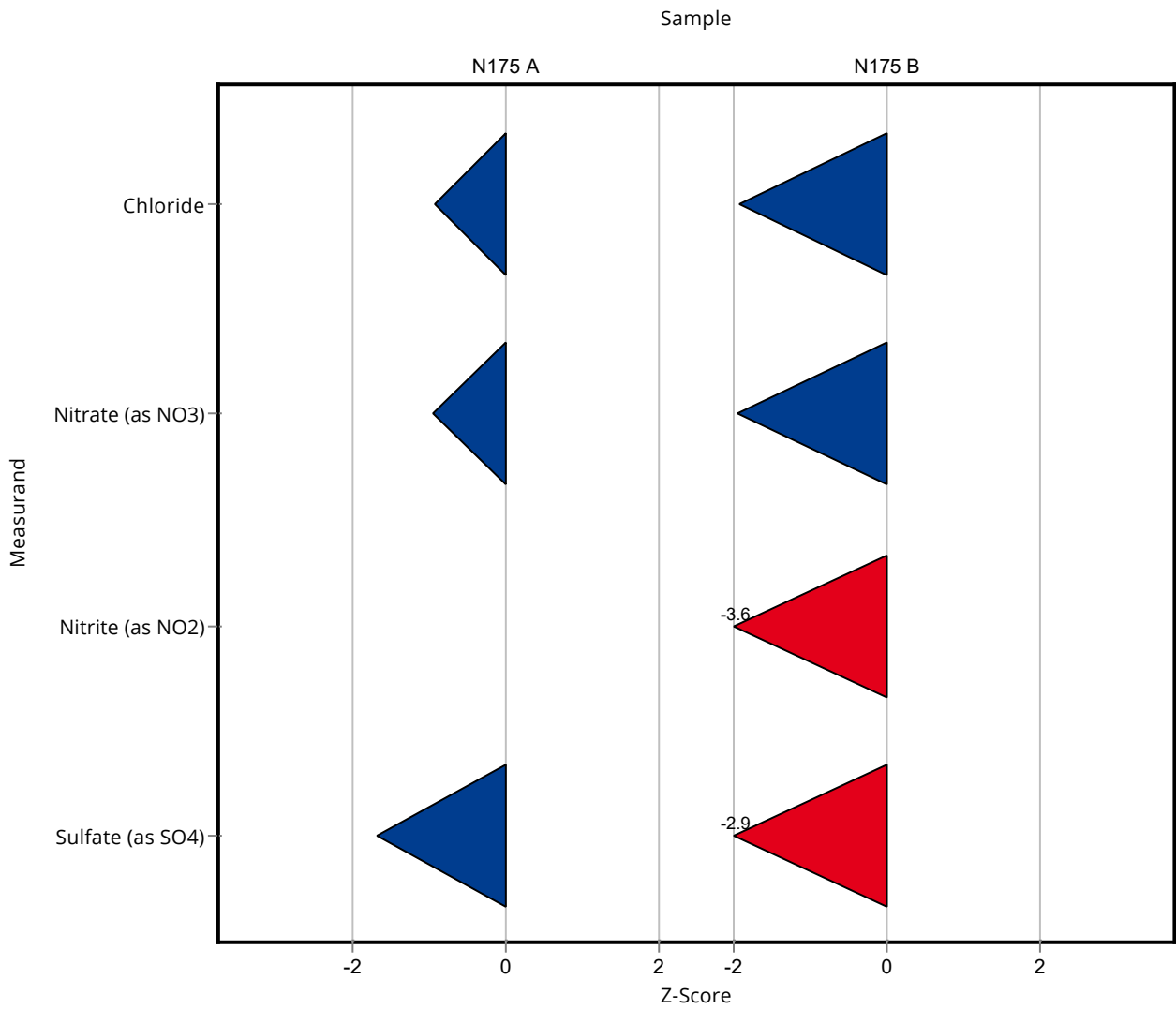
Summary of results Nutrients/Major Ions N175

Labcode: LC0019

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	- ± -	0.162	-	-
Total hardness	mmol/l	2.34 ± 0.0174	- ± -	0.0701	-	-
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	- ± -	4.41	-	-
Potassium	mg/l	2.58 ± 0.0293	- ± -	0.134	-	-
Magnesium	mg/l	15.6 ± 0.182	- ± -	0.622	-	-
Sodium	mg/l	16.4 ± 0.195	- ± -	0.558	-	-
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	21 ± 0.95	1.16	90.2	-1.96
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.55 ± 0.033	0.036	81.1	-3.57
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	<0.12 (LOQ) ± -	0.0629	-	-
pH-value	-	7.63 ± 0.0362	- ± -	0.153	-	-
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	29 ± 2	1.06	90.4	-2.90
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	- ± -	0.0728	-	-

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	- ± -	0.346	-	-



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	- ± -	0.00643	-	-
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	- ± -	5.12	-	-
Chloride	mg/l	102 ± 0.706	98 ± 6.9	4.07	96.4	-0.27
El. conductivity (25°C)	µS/cm	1160 ± 3.02	- ± -	15.1	-	-
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	- ± -	0.0121	-	-
Total hardness	mmol/l	5.74 ± 0.0381	- ± -	0.172	-	-
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	- ± -	8.99	-	-
Potassium	mg/l	2.56 ± 0.0428	- ± -	0.133	-	-
Magnesium	mg/l	38.6 ± 0.337	- ± -	1.55	-	-
Sodium	mg/l	26.5 ± 0.22	- ± -	0.899	-	-
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12 ± 0.54	0.629	95.3	-0.54
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	<0.12 (LOQ) ± -	0.00298	-	-
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	<0.12 (LOQ) ± -	0.0121	-	-
pH-value	-	7.54 ± 0.0389	- ± -	0.151	-	-
Sulfate (as SO ₄)	mg/l	106 ± 0.909	100 ± 7	3.49	94.5	-0.42
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	- ± -	0.148	-	-

Sample: N175ADOC

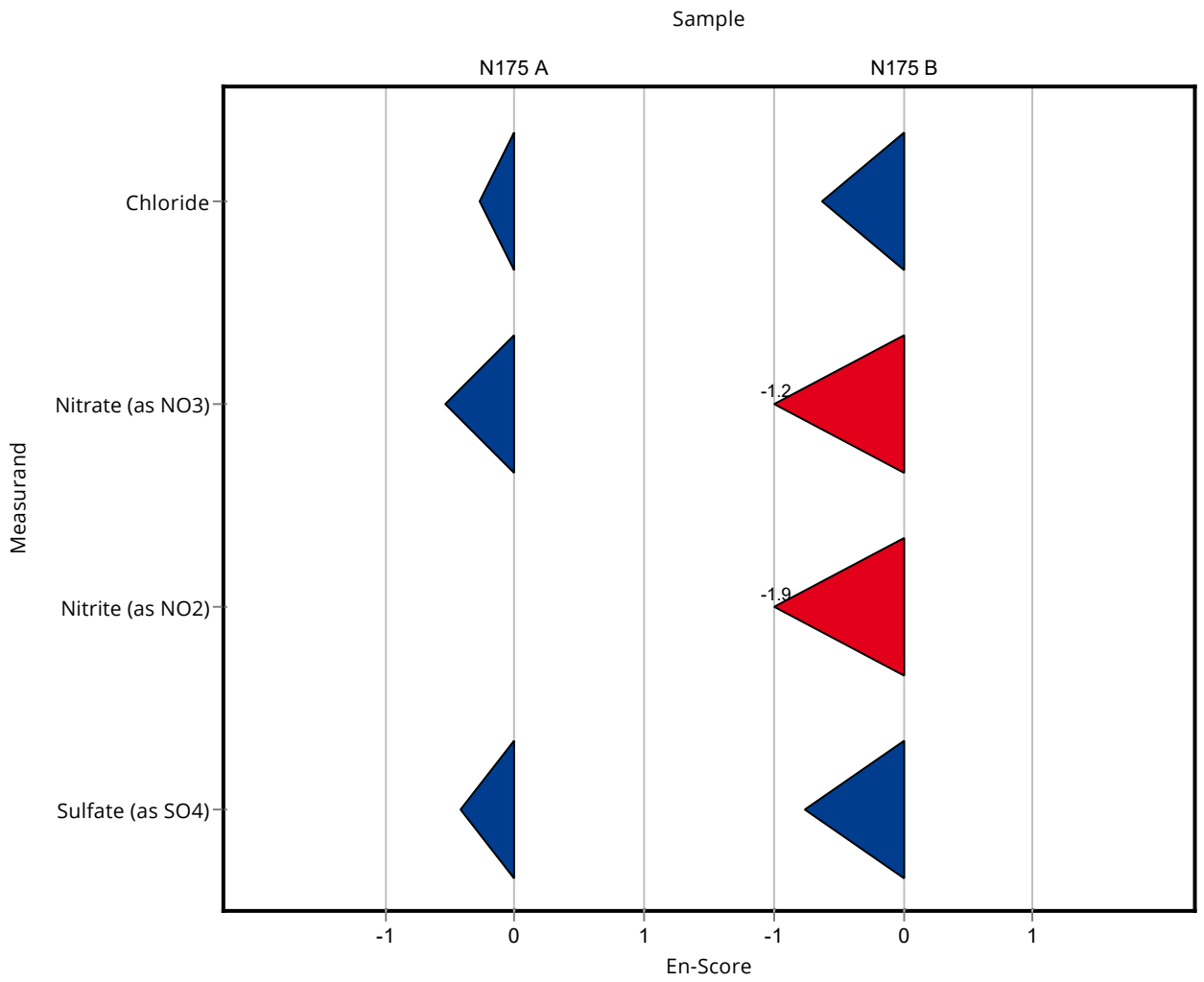
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	- ± -	0.193	-	-

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	- ± -	0.0369	-	-
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	- ± -	2.09	-	-
Chloride	mg/l	29.3 ± 0.251	27 ± 1.8	1.17	92.3	-0.63
El. conductivity (25°C)	µS/cm	533 ± 1.36	- ± -	6.93	-	-
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	- ± -	0.162	-	-
Total hardness	mmol/l	2.34 ± 0.0174	- ± -	0.0701	-	-
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	- ± -	4.41	-	-
Potassium	mg/l	2.58 ± 0.0293	- ± -	0.134	-	-
Magnesium	mg/l	15.6 ± 0.182	- ± -	0.622	-	-
Sodium	mg/l	16.4 ± 0.195	- ± -	0.558	-	-
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	21 ± 0.95	1.16	90.2	-1.19
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.55 ± 0.033	0.036	81.1	-1.94
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	<0.12 (LOQ) ± -	0.0629	-	-
pH-value	-	7.63 ± 0.0362	- ± -	0.153	-	-
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	29 ± 2	1.06	90.4	-0.77
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	- ± -	0.0728	-	-

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	- ± -	0.346	-	-



Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.041 ± 0.0041	0.00643	121	1.11
Boron	mg/l	0.0597 ± 0.00224	0.06 ± 0.006	0.00657	100	0.04
Calcium	mg/l	165 ± 1.53	160 ± 16	5.12	96.9	-1.01
Chloride	mg/l	102 ± 0.706	100 ± 10	4.07	98.3	-0.42
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1180 ± 120	15.1	101	1.10
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.158 ± 0.032	0.0121	97.9	-0.28
Total hardness	mmol/l	5.74 ± 0.0381	5.55 ± 0.55	0.172	96.7	-1.09
Total nitrogen	mg/l	2.96 ± 0.0892	2.8 ± 0.28	0.246	94.5	-0.67
Hydrogen carbonate	mg/l	450 ± 1.44	447 ± 45	8.99	99.4	-0.29
Potassium	mg/l	2.56 ± 0.0428	2.43 ± 0.24	0.133	94.8	-1.01
Magnesium	mg/l	38.6 ± 0.337	38 ± 3.8	1.55	98.4	-0.41
Sodium	mg/l	26.5 ± 0.22	26.6 ± 2.7	0.899	101	0.16
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12.6 ± 1.3	0.629	100	0.02
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.0367 ± 0.0037	0.00298	96.1	-0.50
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.082 ± 0.008	0.0121	94.7	-0.38
pH-value	-	7.54 ± 0.0389	7.45 ± 0.2	0.151	98.8	-0.61
Sulfate (as SO ₄)	mg/l	106 ± 0.909	106 ± 11	3.49	100	0.05
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.37 ± 0.74	0.148	99.7	-0.14

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.56 ± 0.16	0.193	105	0.41

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.288 ± 0.029	0.0369	93.7	-0.52
Boron	mg/l	0.0176 ± 0.00104	0.0182 ± 0.0018	0.00211	104	0.31
Calcium	mg/l	67.4 ± 0.625	68.6 ± 6.9	2.09	102	0.57
Chloride	mg/l	29.3 ± 0.251	30.3 ± 3	1.17	104	0.88
El. conductivity (25°C)	µS/cm	533 ± 1.36	546 ± 55	6.93	102	1.84

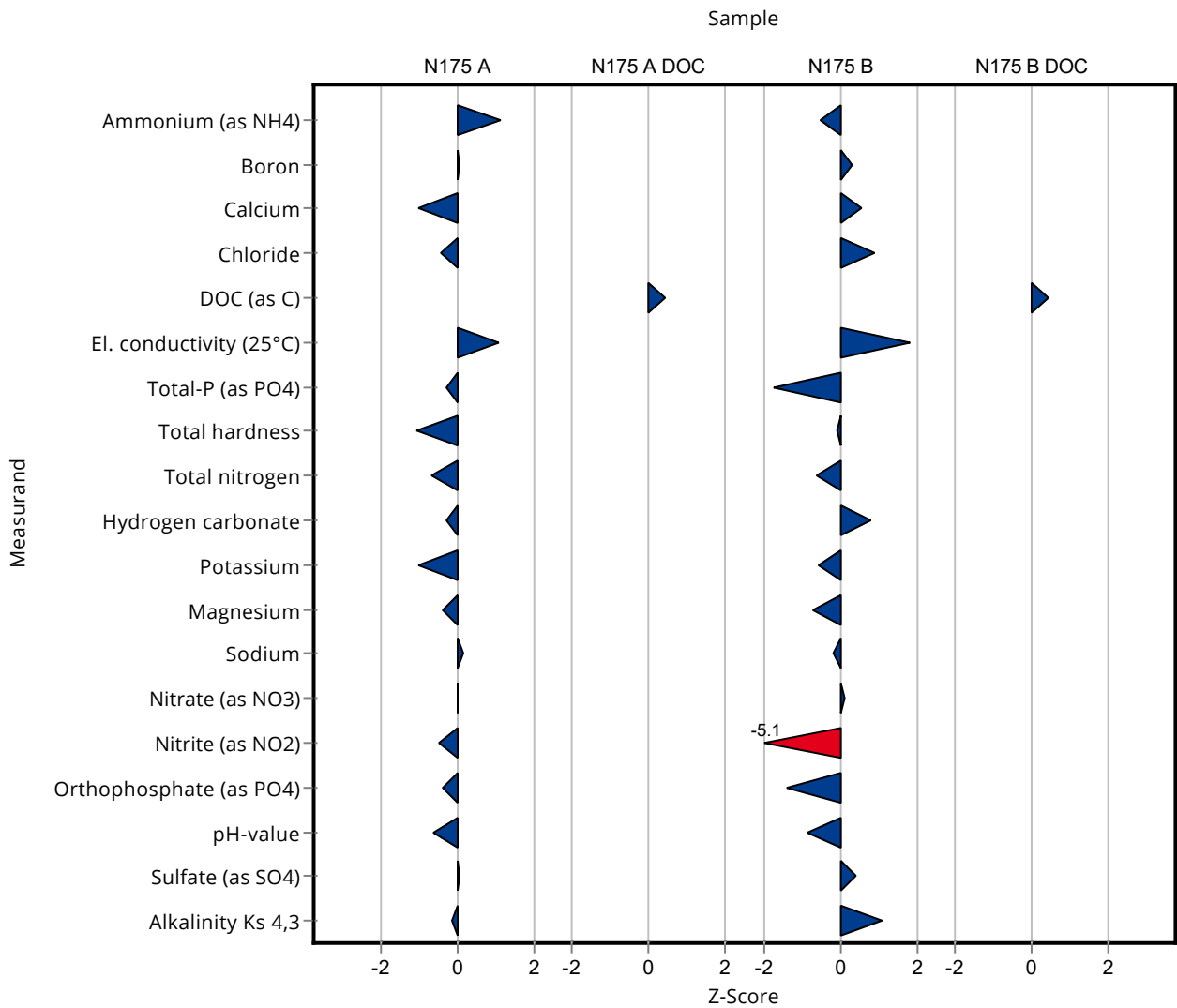
Summary of results Nutrients/Major Ions N175

Labcode: LC0020

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	1.88 ± 0.38	0.162	86.8	-1.76
Total hardness	mmol/l	2.34 ± 0.0174	2.33 ± 0.23	0.0701	99.7	-0.10
Total nitrogen	mg/l	5.8 ± 0.138	5.51 ± 0.55	0.482	94.9	-0.61
Hydrogen carbonate	mg/l	220 ± 0.967	224 ± 22	4.41	102	0.80
Potassium	mg/l	2.58 ± 0.0293	2.5 ± 0.25	0.134	96.9	-0.59
Magnesium	mg/l	15.6 ± 0.182	15.1 ± 1.5	0.622	97.1	-0.73
Sodium	mg/l	16.4 ± 0.195	16.3 ± 1.6	0.558	99.4	-0.18
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	23.4 ± 2.3	1.16	101	0.10
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.495 ± 0.05	0.036	73	-5.10
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.281 ± 0.028	0.0629	75.9	-1.42
pH-value	-	7.63 ± 0.0362	7.5 ± 0.2	0.153	98.3	-0.87
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	32.5 ± 3.2	1.06	101	0.40
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.72 ± 0.37	0.0728	102	1.11

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.61 ± 0.36	0.346	104	0.43



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.041 ± 0.0041	0.00643	121	0.84
Boron	mg/l	0.0597 ± 0.00224	0.06 ± 0.006	0.00657	100	0.02
Calcium	mg/l	165 ± 1.53	160 ± 16	5.12	96.9	-0.16
Chloride	mg/l	102 ± 0.706	100 ± 10	4.07	98.3	-0.09
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1180 ± 120	15.1	101	0.07
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.158 ± 0.032	0.0121	97.9	-0.05
Total hardness	mmol/l	5.74 ± 0.0381	5.55 ± 0.55	0.172	96.7	-0.17
Total nitrogen	mg/l	2.96 ± 0.0892	2.8 ± 0.28	0.246	94.5	-0.29
Hydrogen carbonate	mg/l	450 ± 1.44	447 ± 45	8.99	99.4	-0.03
Potassium	mg/l	2.56 ± 0.0428	2.43 ± 0.24	0.133	94.8	-0.28
Magnesium	mg/l	38.6 ± 0.337	38 ± 3.8	1.55	98.4	-0.08
Sodium	mg/l	26.5 ± 0.22	26.6 ± 2.7	0.899	101	0.03
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12.6 ± 1.3	0.629	100	0.00
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.0367 ± 0.0037	0.00298	96.1	-0.20
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.082 ± 0.008	0.0121	94.7	-0.27
pH-value	-	7.54 ± 0.0389	7.45 ± 0.2	0.151	98.8	-0.23
Sulfate (as SO ₄)	mg/l	106 ± 0.909	106 ± 11	3.49	100	0.01
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.37 ± 0.74	0.148	99.7	-0.01

Sample: N175ADOC

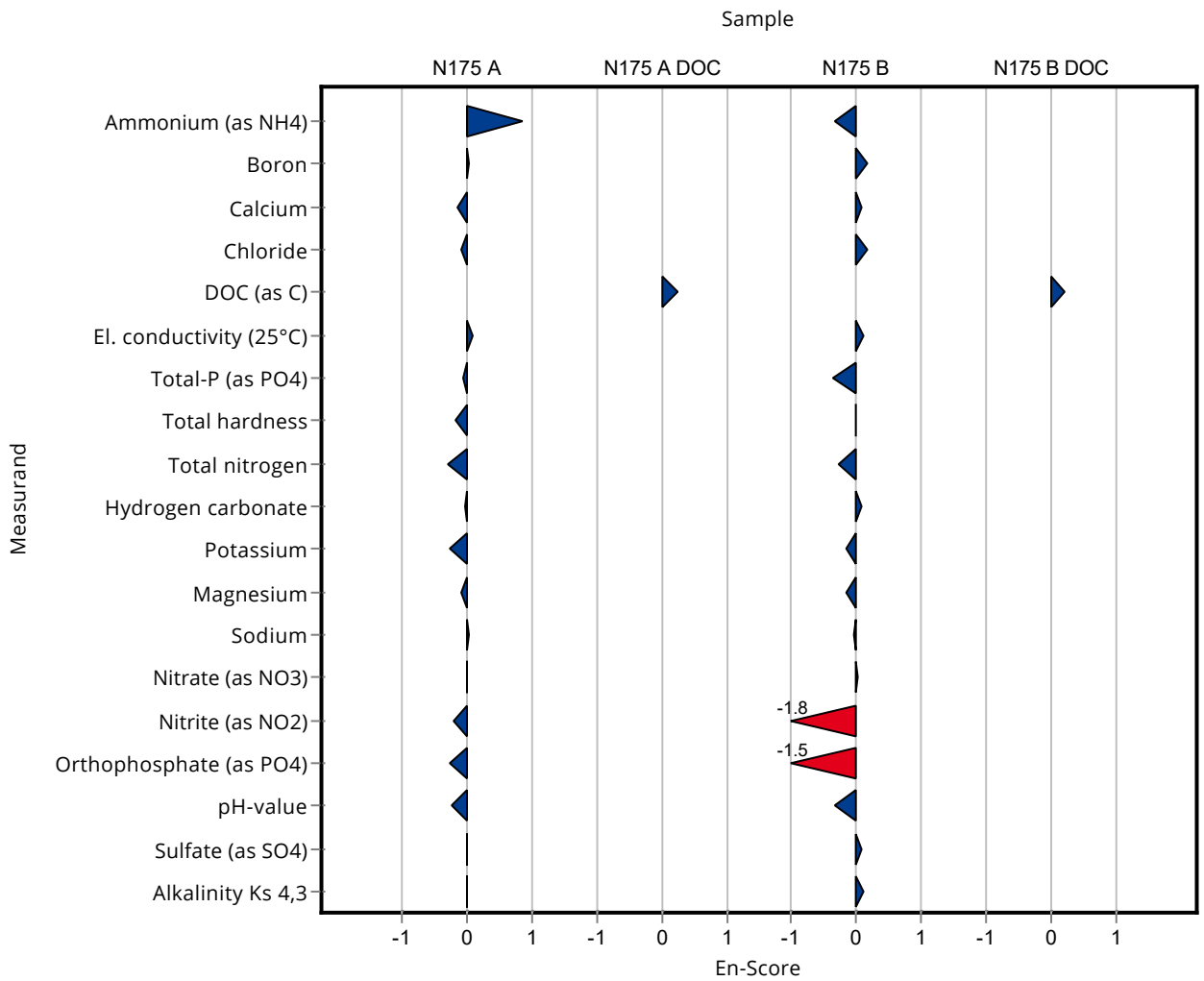
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.56 ± 0.16	0.193	105	0.24

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.288 ± 0.029	0.0369	93.7	-0.33
Boron	mg/l	0.0176 ± 0.00104	0.0182 ± 0.0018	0.00211	104	0.17
Calcium	mg/l	67.4 ± 0.625	68.6 ± 6.9	2.09	102	0.09
Chloride	mg/l	29.3 ± 0.251	30.3 ± 3	1.17	104	0.17
El. conductivity (25°C)	µS/cm	533 ± 1.36	546 ± 55	6.93	102	0.12
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	1.88 ± 0.38	0.162	86.8	-0.37
Total hardness	mmol/l	2.34 ± 0.0174	2.33 ± 0.23	0.0701	99.7	-0.02
Total nitrogen	mg/l	5.8 ± 0.138	5.51 ± 0.55	0.482	94.9	-0.27
Hydrogen carbonate	mg/l	220 ± 0.967	224 ± 22	4.41	102	0.08
Potassium	mg/l	2.58 ± 0.0293	2.5 ± 0.25	0.134	96.9	-0.16
Magnesium	mg/l	15.6 ± 0.182	15.1 ± 1.5	0.622	97.1	-0.15
Sodium	mg/l	16.4 ± 0.195	16.3 ± 1.6	0.558	99.4	-0.03
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	23.4 ± 2.3	1.16	101	0.03
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.495 ± 0.05	0.036	73	-1.83
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.281 ± 0.028	0.0629	75.9	-1.45
pH-value	-	7.63 ± 0.0362	7.5 ± 0.2	0.153	98.3	-0.33
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	32.5 ± 3.2	1.06	101	0.07
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.72 ± 0.37	0.0728	102	0.11

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.61 ± 0.36	0.346	104	0.20



Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.0235 ± 0.004	0.00643	69.4	-1.61
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	168 ± 8.351	5.12	102	0.55
Chloride	mg/l	102 ± 0.706	102.13 ± 15.32	4.07	100	0.10
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1164 ± 5	15.1	100	0.04
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	- ± -	0.0121	-	-
Total hardness	mmol/l	5.74 ± 0.0381	5.775 ± 0.578	0.172	101	0.22
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	- ± -	8.99	-	-
Potassium	mg/l	2.56 ± 0.0428	3.13 ± 0.081	0.133	122	4.24
Magnesium	mg/l	38.6 ± 0.337	38.34 ± 1.109	1.55	99.3	-0.19
Sodium	mg/l	26.5 ± 0.22	25.81 ± 1.265	0.899	97.6	-0.72
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	13.3 ± 2	0.629	106	1.13
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.0415 ± 0.004	0.00298	109	1.12
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.095 ± 0.02	0.0121	110	0.70
pH-value	-	7.54 ± 0.0389	7.46 ± 0.1	0.151	98.9	-0.54
Sulfate (as SO ₄)	mg/l	106 ± 0.909	108 ± 16.2	3.49	102	0.62
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.37 ± 0.2	0.148	99.7	-0.14

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	- ± -	0.193	-	-

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.2903 ± 0.044	0.0369	94.5	-0.46
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	67.86 ± 3.462	2.09	101	0.22
Chloride	mg/l	29.3 ± 0.251	28.93 ± 4.34	1.17	98.8	-0.29
El. conductivity (25°C)	µS/cm	533 ± 1.36	530 ± 5	6.93	99.4	-0.47

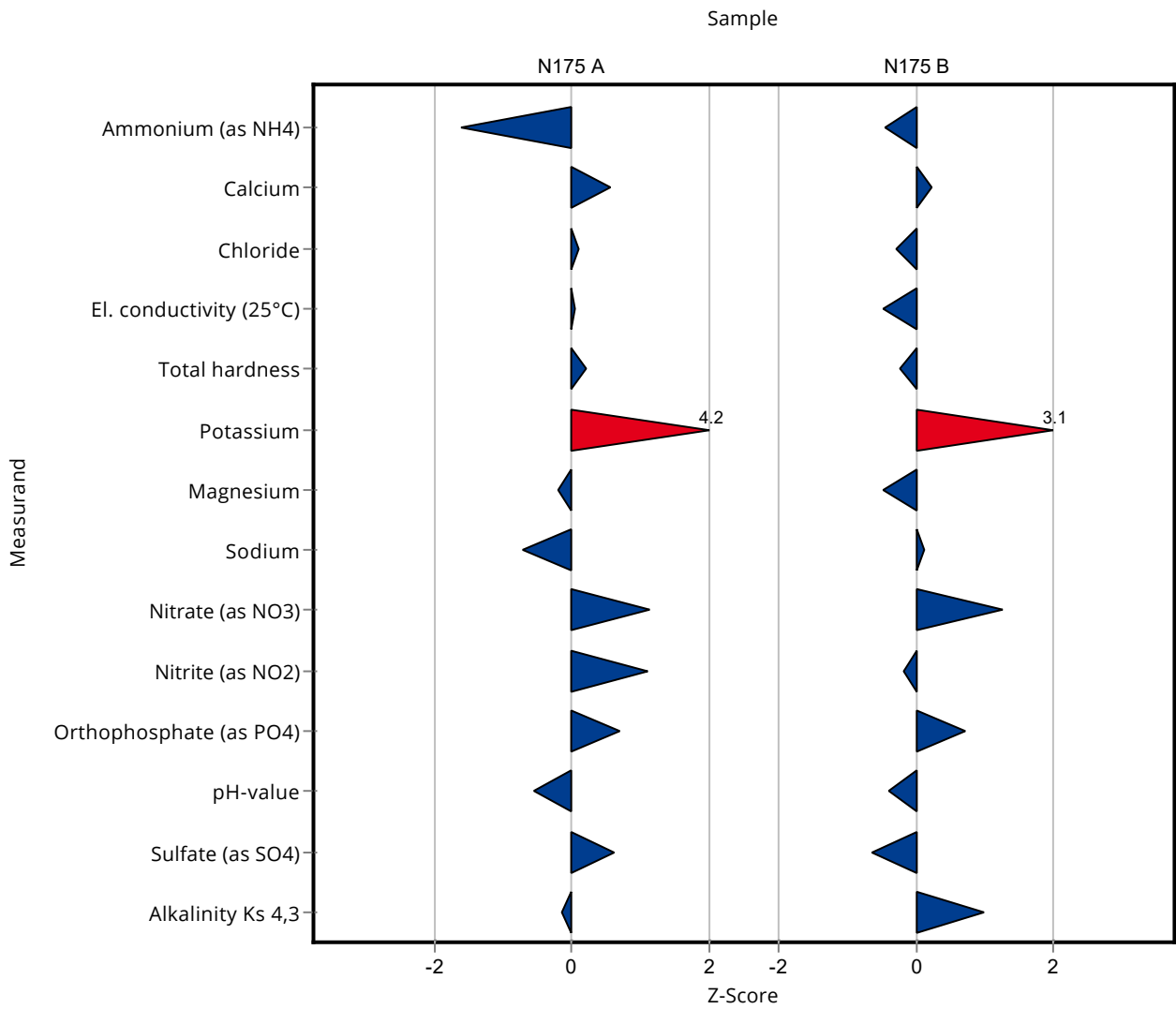
Summary of results Nutrients/Major Ions N175

Labcode: LC0021

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	- ± -	0.162	-	-
Total hardness	mmol/l	2.34 ± 0.0174	2.321 ± 0.232	0.0701	99.3	-0.23
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	- ± -	4.41	-	-
Potassium	mg/l	2.58 ± 0.0293	3 ± 0.078	0.134	116	3.14
Magnesium	mg/l	15.6 ± 0.182	15.26 ± 0.458	0.622	98.1	-0.48
Sodium	mg/l	16.4 ± 0.195	16.47 ± 0.795	0.558	100	0.13
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	24.75 ± 3.713	1.16	106	1.26
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.6715 ± 0.067	0.036	99	-0.19
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.415 ± 0.083	0.0629	112	0.71
pH-value	-	7.63 ± 0.0362	7.57 ± 0.1	0.153	99.2	-0.41
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	31.4 ± 4.71	1.06	97.9	-0.63
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.71 ± 0.2	0.0728	102	0.97

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	- ± -	0.346	-	-



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.0235 ± 0.004	0.00643	69.4	-1.25
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	168 ± 8.351	5.12	102	0.17
Chloride	mg/l	102 ± 0.706	102.13 ± 15.32	4.07	100	0.01
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1164 ± 5	15.1	100	0.06
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	- ± -	0.0121	-	-
Total hardness	mmol/l	5.74 ± 0.0381	5.775 ± 0.578	0.172	101	0.03
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	- ± -	8.99	-	-
Potassium	mg/l	2.56 ± 0.0428	3.13 ± 0.081	0.133	122	3.38
Magnesium	mg/l	38.6 ± 0.337	38.34 ± 1.109	1.55	99.3	-0.13
Sodium	mg/l	26.5 ± 0.22	25.81 ± 1.265	0.899	97.6	-0.25
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	13.3 ± 2	0.629	106	0.18
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.0415 ± 0.004	0.00298	109	0.41
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.095 ± 0.02	0.0121	110	0.21
pH-value	-	7.54 ± 0.0389	7.46 ± 0.1	0.151	98.9	-0.40
Sulfate (as SO ₄)	mg/l	106 ± 0.909	108 ± 16.2	3.49	102	0.07
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.37 ± 0.2	0.148	99.7	-0.05

Sample: N175ADOC

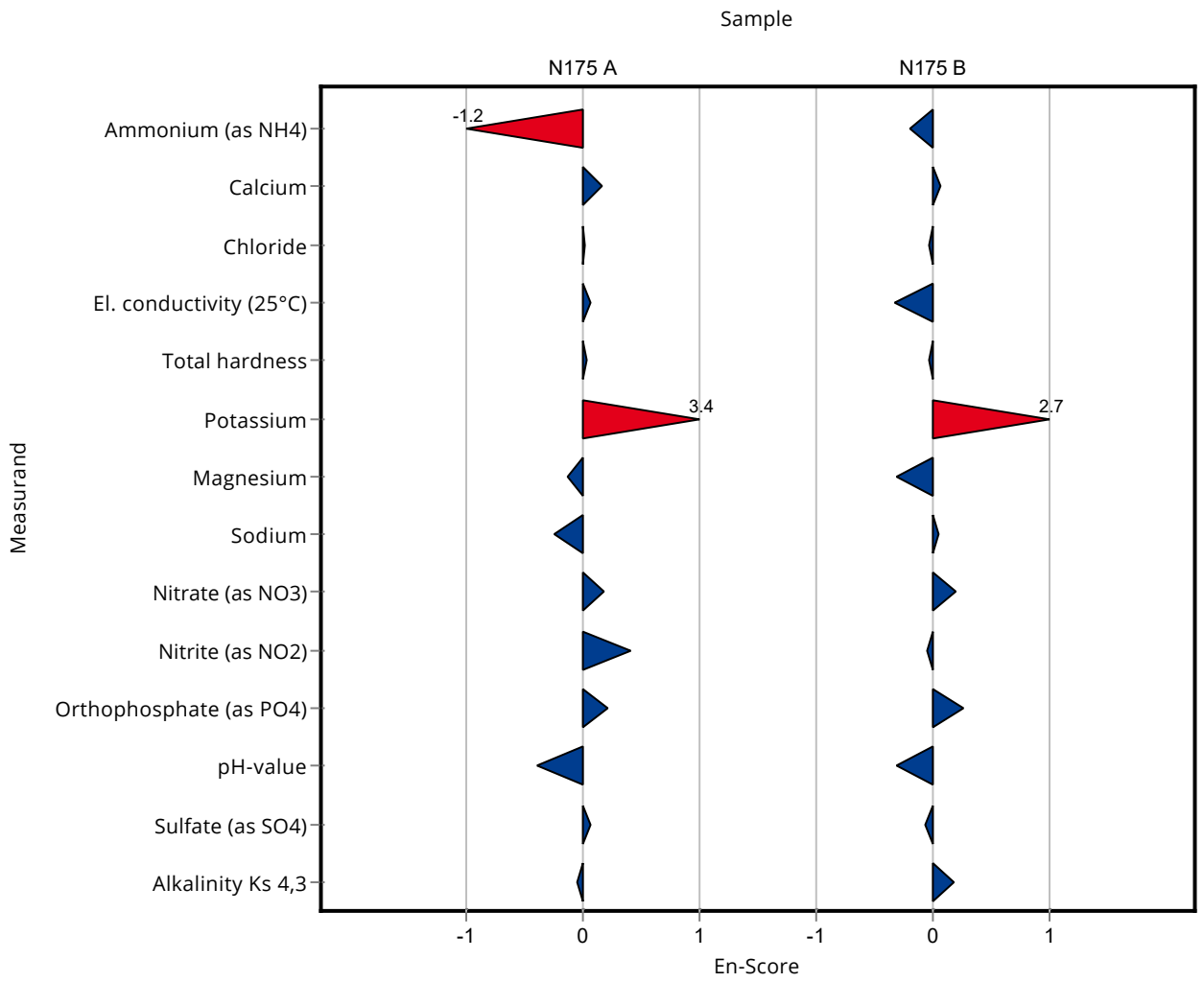
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	- ± -	0.193	-	-

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.2903 ± 0.044	0.0369	94.5	-0.19
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	67.86 ± 3.462	2.09	101	0.07
Chloride	mg/l	29.3 ± 0.251	28.93 ± 4.34	1.17	98.8	-0.04
El. conductivity (25°C)	µS/cm	533 ± 1.36	530 ± 5	6.93	99.4	-0.32
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	- ± -	0.162	-	-
Total hardness	mmol/l	2.34 ± 0.0174	2.321 ± 0.232	0.0701	99.3	-0.03
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	- ± -	4.41	-	-
Potassium	mg/l	2.58 ± 0.0293	3 ± 0.078	0.134	116	2.65
Magnesium	mg/l	15.6 ± 0.182	15.26 ± 0.458	0.622	98.1	-0.32
Sodium	mg/l	16.4 ± 0.195	16.47 ± 0.795	0.558	100	0.04
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	24.75 ± 3.713	1.16	106	0.20
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.6715 ± 0.067	0.036	99	-0.05
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.415 ± 0.083	0.0629	112	0.27
pH-value	-	7.63 ± 0.0362	7.57 ± 0.1	0.153	99.2	-0.31
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	31.4 ± 4.71	1.06	97.9	-0.07
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.71 ± 0.2	0.0728	102	0.18

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	- ± -	0.346	-	-



Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.036 ± 0.0036	0.00643	106	0.33
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	160.7 ± 8	5.12	97.3	-0.87
Chloride	mg/l	102 ± 0.706	106.4 ± 5.3	4.07	105	1.15
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1125 ± 56	15.1	96.7	-2.54
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.1223 ± 0.012	0.0121	75.8	-3.23
Total hardness	mmol/l	5.74 ± 0.0381	- ± -	0.172	-	-
Total nitrogen	mg/l	2.96 ± 0.0892	2.69 ± 0.27	0.246	90.8	-1.11
Hydrogen carbonate	mg/l	450 ± 1.44	- ± -	8.99	-	-
Potassium	mg/l	2.56 ± 0.0428	2.5 ± 0.1	0.133	97.5	-0.48
Magnesium	mg/l	38.6 ± 0.337	37.2 ± 1.9	1.55	96.3	-0.92
Sodium	mg/l	26.5 ± 0.22	26.2 ± 1.3	0.899	99	-0.28
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	13.2 ± 1.3	0.629	105	0.97
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.0371 ± 0.004	0.00298	97.2	-0.36
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.0601 ± 0.006	0.0121	69.4	-2.18
pH-value	-	7.54 ± 0.0389	7.74 ± 0.1	0.151	103	1.32
Sulfate (as SO ₄)	mg/l	106 ± 0.909	112.2 ± 5.6	3.49	106	1.82
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.41 ± 0.37	0.148	100	0.13

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.44 ± 0.1	0.193	97.2	-0.22

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.269 ± 0.027	0.0369	87.6	-1.04
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	63.9 ± 3.2	2.09	94.8	-1.68
Chloride	mg/l	29.3 ± 0.251	29.3 ± 1.5	1.17	100	0.03
El. conductivity (25°C)	µS/cm	533 ± 1.36	513 ± 26	6.93	96.2	-2.92

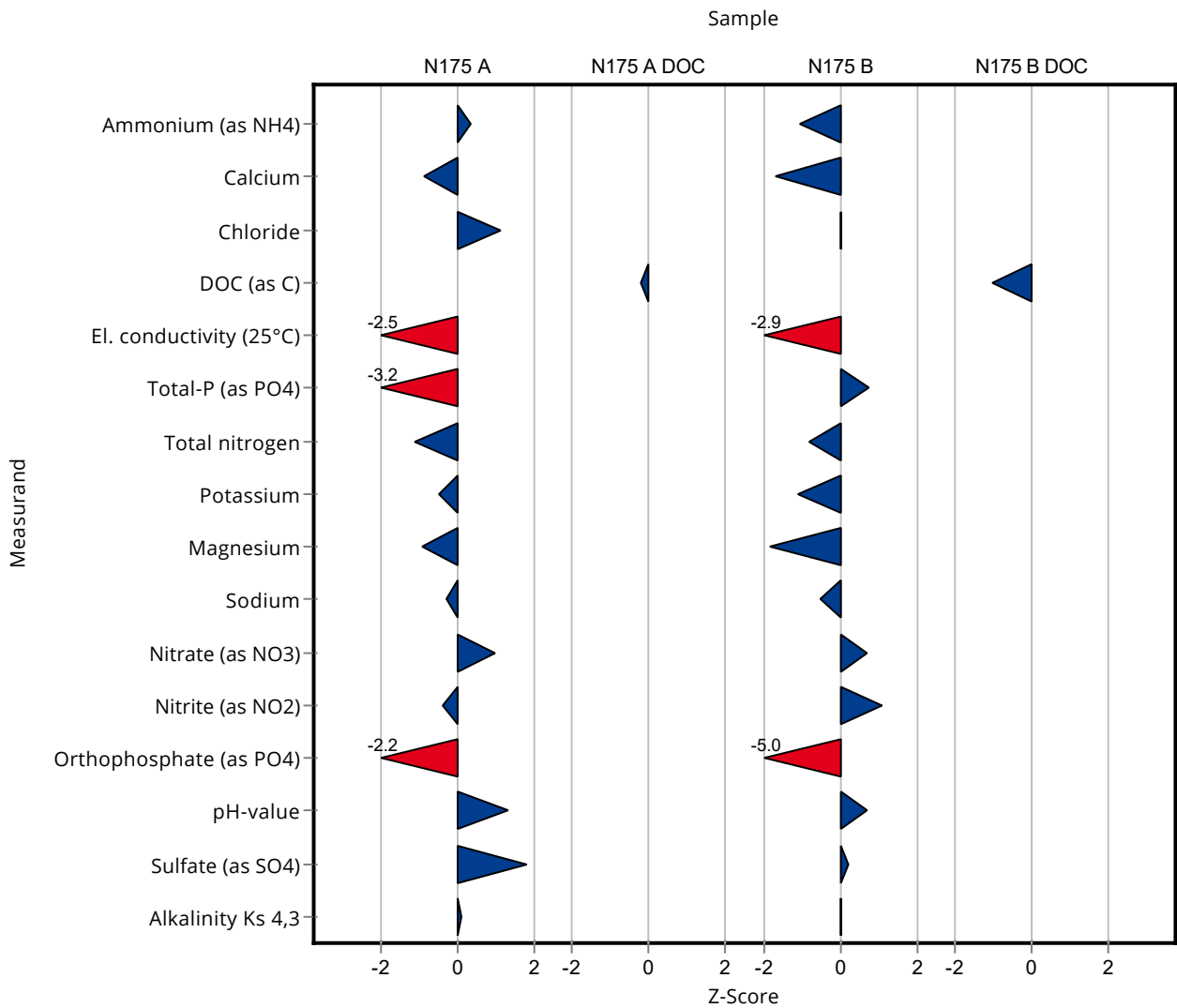
Summary of results Nutrients/Major Ions N175

Labcode: LC0022

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	2.29 ± 0.2285	0.162	106	0.77
Total hardness	mmol/l	2.34 ± 0.0174	- ± -	0.0701	-	-
Total nitrogen	mg/l	5.8 ± 0.138	5.4 ± 0.5	0.482	93	-0.84
Hydrogen carbonate	mg/l	220 ± 0.967	- ± -	4.41	-	-
Potassium	mg/l	2.58 ± 0.0293	2.43 ± 0.1	0.134	94.2	-1.11
Magnesium	mg/l	15.6 ± 0.182	14.4 ± 0.7	0.622	92.6	-1.86
Sodium	mg/l	16.4 ± 0.195	16.1 ± 0.8	0.558	98.2	-0.54
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	24.1 ± 2.4	1.16	104	0.70
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.7169 ± 0.072	0.036	106	1.07
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.058 ± 0.0058	0.0629	15.7	-4.96
pH-value	-	7.63 ± 0.0362	7.74 ± 0.1	0.153	101	0.70
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	32.3 ± 1.6	1.06	101	0.22
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.64 ± 0.18	0.0728	100	0.01

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.1 ± 0.2	0.346	89.5	-1.05



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.036 ± 0.0036	0.00643	106	0.29
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	160.7 ± 8	5.12	97.3	-0.28
Chloride	mg/l	102 ± 0.706	106.4 ± 5.3	4.07	105	0.44
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1125 ± 56	15.1	96.7	-0.34
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.1223 ± 0.012	0.0121	75.8	-1.61
Total hardness	mmol/l	5.74 ± 0.0381	- ± -	0.172	-	-
Total nitrogen	mg/l	2.96 ± 0.0892	2.69 ± 0.27	0.246	90.8	-0.50
Hydrogen carbonate	mg/l	450 ± 1.44	- ± -	8.99	-	-
Potassium	mg/l	2.56 ± 0.0428	2.5 ± 0.1	0.133	97.5	-0.31
Magnesium	mg/l	38.6 ± 0.337	37.2 ± 1.9	1.55	96.3	-0.37
Sodium	mg/l	26.5 ± 0.22	26.2 ± 1.3	0.899	99	-0.10
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	13.2 ± 1.3	0.629	105	0.24
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.0371 ± 0.004	0.00298	97.2	-0.13
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.0601 ± 0.006	0.0121	69.4	-2.07
pH-value	-	7.54 ± 0.0389	7.74 ± 0.1	0.151	103	0.98
Sulfate (as SO ₄)	mg/l	106 ± 0.909	112.2 ± 5.6	3.49	106	0.57
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.41 ± 0.37	0.148	100	0.03

Sample: N175ADOC

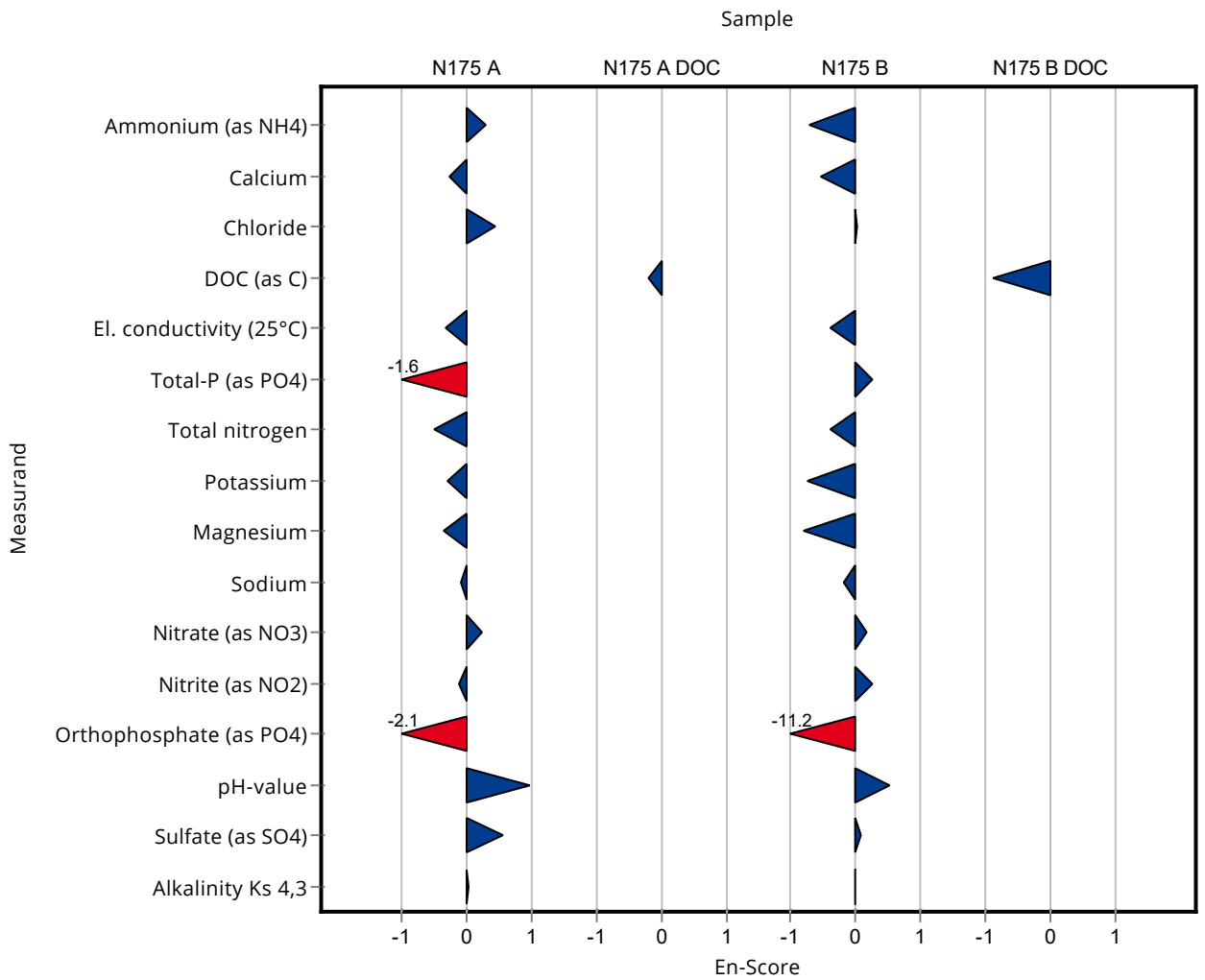
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.44 ± 0.1	0.193	97.2	-0.20

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.269 ± 0.027	0.0369	87.6	-0.70
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	63.9 ± 3.2	2.09	94.8	-0.54
Chloride	mg/l	29.3 ± 0.251	29.3 ± 1.5	1.17	100	0.01
El. conductivity (25°C)	µS/cm	533 ± 1.36	513 ± 26	6.93	96.2	-0.39
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	2.29 ± 0.2285	0.162	106	0.27
Total hardness	mmol/l	2.34 ± 0.0174	- ± -	0.0701	-	-
Total nitrogen	mg/l	5.8 ± 0.138	5.4 ± 0.5	0.482	93	-0.40
Hydrogen carbonate	mg/l	220 ± 0.967	- ± -	4.41	-	-
Potassium	mg/l	2.58 ± 0.0293	2.43 ± 0.1	0.134	94.2	-0.74
Magnesium	mg/l	15.6 ± 0.182	14.4 ± 0.7	0.622	92.6	-0.82
Sodium	mg/l	16.4 ± 0.195	16.1 ± 0.8	0.558	98.2	-0.19
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	24.1 ± 2.4	1.16	104	0.17
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.7169 ± 0.072	0.036	106	0.27
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.058 ± 0.0058	0.0629	15.7	-11.22
pH-value	-	7.63 ± 0.0362	7.74 ± 0.1	0.153	101	0.53
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	32.3 ± 1.6	1.06	101	0.07
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.64 ± 0.18	0.0728	100	0.00

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.1 ± 0.2	0.346	89.5	-0.89



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.029 ± 0.008	0.00643	85.7	-0.75
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	165 ± 16.17	5.12	99.9	-0.03
Chloride	mg/l	102 ± 0.706	102 ± 4.9	4.07	100	0.07
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1173 ± 10.56	15.1	101	0.64
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	- ± -	0.0121	-	-
Total hardness	mmol/l	5.74 ± 0.0381	5.74 ± 0.574	0.172	100	0.02
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	450 ± 18.45	8.99	100	0.05
Potassium	mg/l	2.56 ± 0.0428	2.53 ± 0.235	0.133	98.7	-0.26
Magnesium	mg/l	38.6 ± 0.337	39.1 ± 4.26	1.55	101	0.31
Sodium	mg/l	26.5 ± 0.22	27 ± 2.46	0.899	102	0.61
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12.6 ± 0.58	0.629	100	0.02
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.04 ± 0.002	0.00298	105	0.61
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.09 ± 0.004	0.0121	104	0.28
pH-value	-	7.54 ± 0.0389	7.46 ± 0.015	0.151	98.9	-0.54
Sulfate (as SO ₄)	mg/l	106 ± 0.909	107 ± 5.14	3.49	101	0.33
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.37 ± 0.3	0.148	99.7	-0.14

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	- ± -	0.193	-	-

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.286 ± 0.041	0.0369	93.1	-0.58
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	67.4 ± 6.61	2.09	100	0.00
Chloride	mg/l	29.3 ± 0.251	29.4 ± 1.41	1.17	100	0.11
El. conductivity (25°C)	µS/cm	533 ± 1.36	536 ± 4.82	6.93	101	0.40

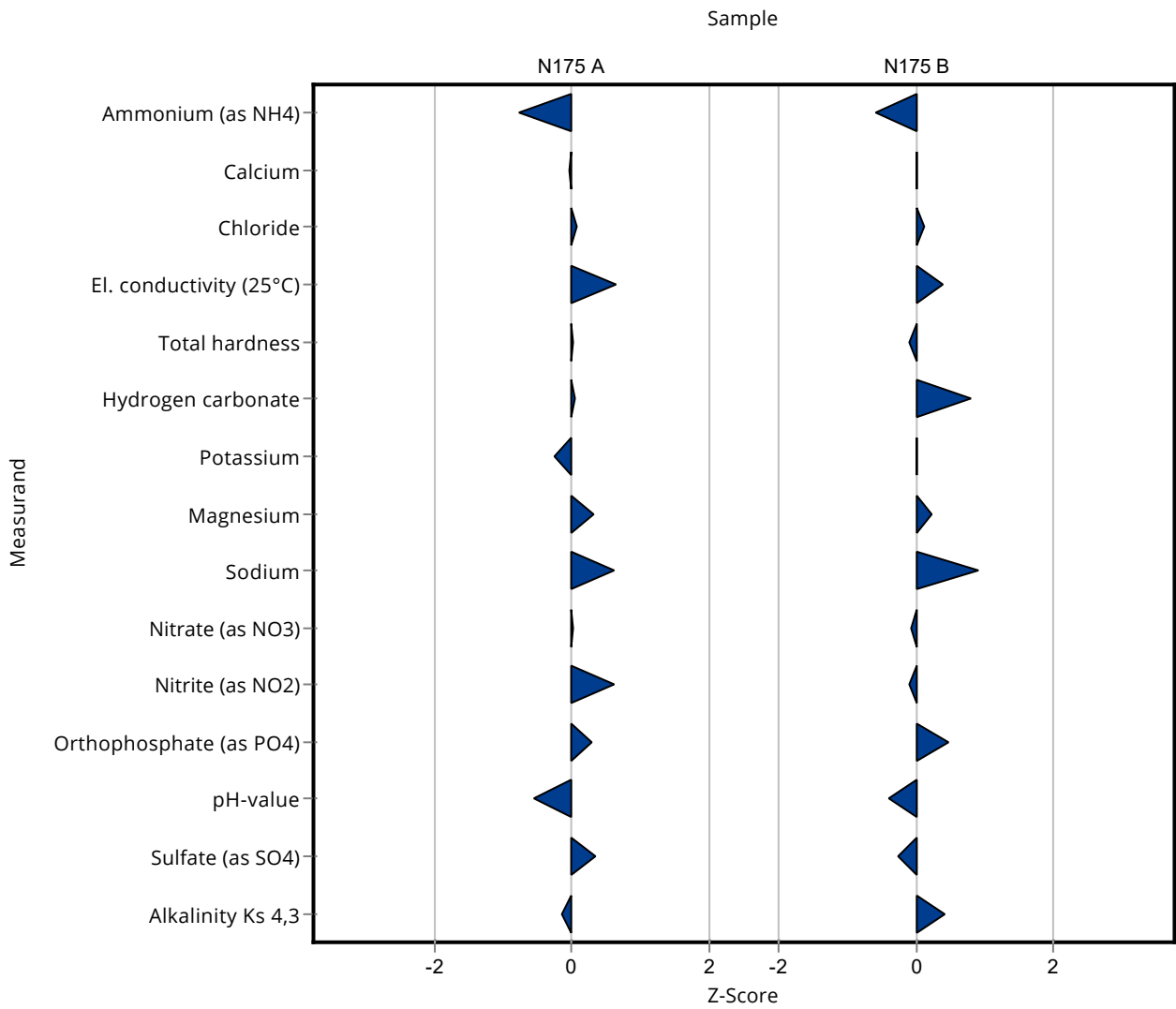
Summary of results Nutrients/Major Ions N175

Labcode: LC0023

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	- ± -	0.162	-	-
Total hardness	mmol/l	2.34 ± 0.0174	2.33 ± 0.233	0.0701	99.7	-0.10
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	224 ± 9.18	4.41	102	0.80
Potassium	mg/l	2.58 ± 0.0293	2.58 ± 0.24	0.134	100	0.01
Magnesium	mg/l	15.6 ± 0.182	15.7 ± 1.71	0.622	101	0.23
Sodium	mg/l	16.4 ± 0.195	16.9 ± 1.538	0.558	103	0.90
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	23.2 ± 1.07	1.16	99.6	-0.07
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.675 ± 0.034	0.036	99.5	-0.09
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.4 ± 0.019	0.0629	108	0.47
pH-value	-	7.63 ± 0.0362	7.57 ± 0.016	0.153	99.2	-0.41
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	31.8 ± 1.53	1.06	99.2	-0.26
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.67 ± 0.15	0.0728	101	0.42

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	- ± -	0.346	-	-



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.029 ± 0.008	0.00643	85.7	-0.30
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	165 ± 16.17	5.12	99.9	-0.01
Chloride	mg/l	102 ± 0.706	102 ± 4.9	4.07	100	0.03
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1173 ± 10.56	15.1	101	0.45
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	- ± -	0.0121	-	-
Total hardness	mmol/l	5.74 ± 0.0381	5.74 ± 0.574	0.172	100	0.00
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	450 ± 18.45	8.99	100	0.01
Potassium	mg/l	2.56 ± 0.0428	2.53 ± 0.235	0.133	98.7	-0.07
Magnesium	mg/l	38.6 ± 0.337	39.1 ± 4.26	1.55	101	0.06
Sodium	mg/l	26.5 ± 0.22	27 ± 2.46	0.899	102	0.11
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12.6 ± 0.58	0.629	100	0.01
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.04 ± 0.002	0.00298	105	0.44
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.09 ± 0.004	0.0121	104	0.38
pH-value	-	7.54 ± 0.0389	7.46 ± 0.015	0.151	98.9	-1.65
Sulfate (as SO ₄)	mg/l	106 ± 0.909	107 ± 5.14	3.49	101	0.11
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.37 ± 0.3	0.148	99.7	-0.04

Sample: N175ADOC

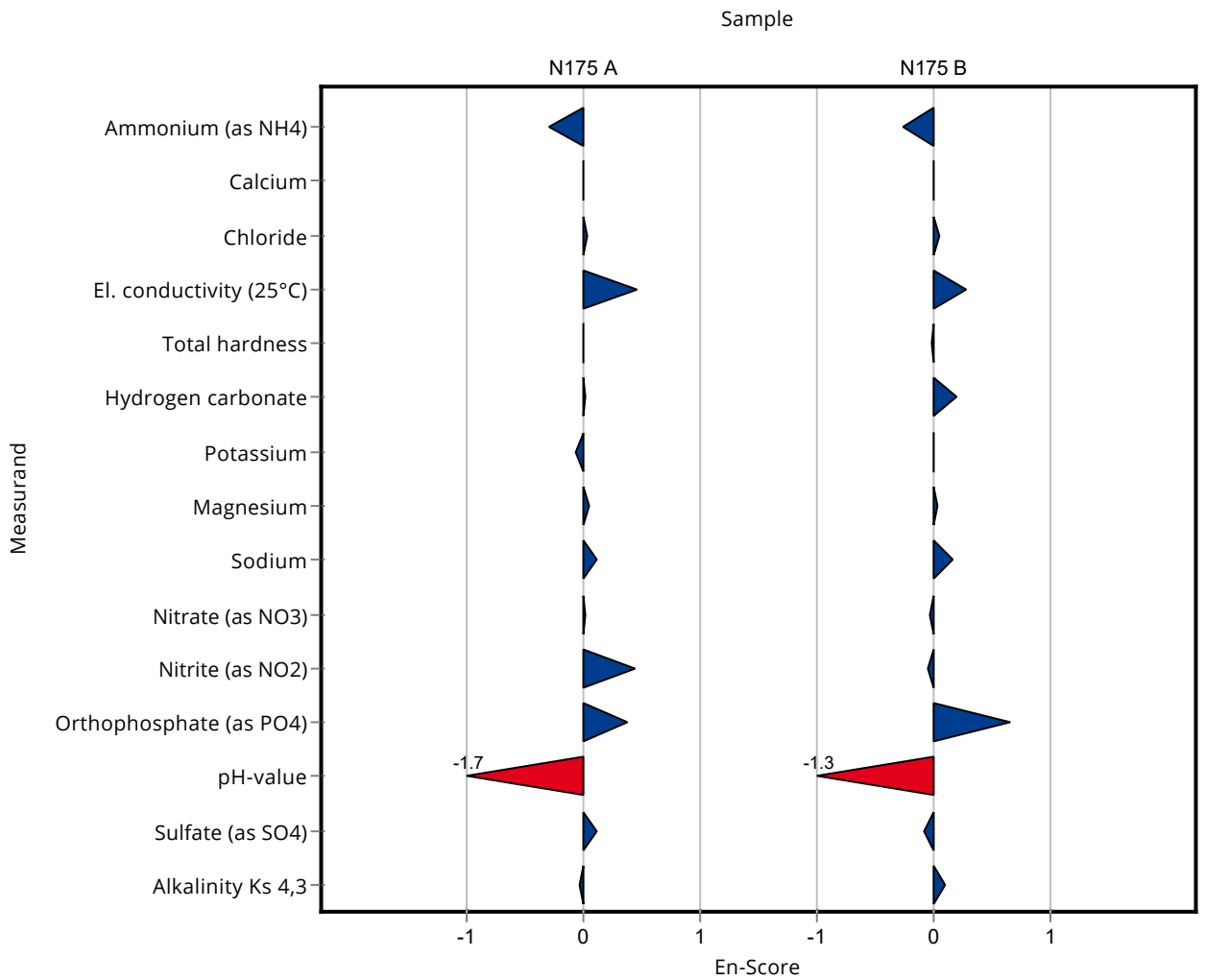
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	- ± -	0.193	-	-

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.286 ± 0.041	0.0369	93.1	-0.26
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	67.4 ± 6.61	2.09	100	0.00
Chloride	mg/l	29.3 ± 0.251	29.4 ± 1.41	1.17	100	0.05
El. conductivity (25°C)	µS/cm	533 ± 1.36	536 ± 4.82	6.93	101	0.28
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	- ± -	0.162	-	-
Total hardness	mmol/l	2.34 ± 0.0174	2.33 ± 0.233	0.0701	99.7	-0.02
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	224 ± 9.18	4.41	102	0.19
Potassium	mg/l	2.58 ± 0.0293	2.58 ± 0.24	0.134	100	0.00
Magnesium	mg/l	15.6 ± 0.182	15.7 ± 1.71	0.622	101	0.04
Sodium	mg/l	16.4 ± 0.195	16.9 ± 1.538	0.558	103	0.16
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	23.2 ± 1.07	1.16	99.6	-0.04
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.675 ± 0.034	0.036	99.5	-0.05
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.4 ± 0.019	0.0629	108	0.65
pH-value	-	7.63 ± 0.0362	7.57 ± 0.016	0.153	99.2	-1.30
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	31.8 ± 1.53	1.06	99.2	-0.09
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.67 ± 0.15	0.0728	101	0.10

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	- ± -	0.346	-	-



Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.0384 ± 0.0039	0.00643	113	0.71
Boron	mg/l	0.0597 ± 0.00224	0.0571 ± 0.0023	0.00657	95.6	-0.40
Calcium	mg/l	165 ± 1.53	172 ± 3.4	5.12	104	1.33
Chloride	mg/l	102 ± 0.706	98.5 ± 3.82	4.07	96.8	-0.79
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1160 ± 23.2	15.1	99.7	-0.22
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.164 ± 0.0083	0.0121	102	0.21
Total hardness	mmol/l	5.74 ± 0.0381	5.84 ± 0.13	0.172	102	0.60
Total nitrogen	mg/l	2.96 ± 0.0892	2.99 ± 0.19	0.246	101	0.11
Hydrogen carbonate	mg/l	450 ± 1.44	442.5 ± 12	8.99	98.4	-0.79
Potassium	mg/l	2.56 ± 0.0428	2.54 ± 0.08	0.133	99.1	-0.18
Magnesium	mg/l	38.6 ± 0.337	37.6 ± 1.2	1.55	97.3	-0.66
Sodium	mg/l	26.5 ± 0.22	25.8 ± 0.74	0.899	97.5	-0.73
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12 ± 0.59	0.629	95.3	-0.93
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.0432 ± 0.0025	0.00298	113	1.69
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.0936 ± 0.0063	0.0121	108	0.58
pH-value	-	7.54 ± 0.0389	7.58 ± 0.095	0.151	101	0.26
Sulfate (as SO ₄)	mg/l	106 ± 0.909	104 ± 4.1	3.49	98.3	-0.53
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.25 ± 0.2	0.148	98.1	-0.96

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.85 ± 0.22	0.193	125	1.91

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.328 ± 0.025	0.0369	107	0.56
Boron	mg/l	0.0176 ± 0.00104	0.0166 ± 0.002	0.00211	94.6	-0.45
Calcium	mg/l	67.4 ± 0.625	68.6 ± 1.28	2.09	102	0.57
Chloride	mg/l	29.3 ± 0.251	27.9 ± 1.14	1.17	95.3	-1.17
El. conductivity (25°C)	µS/cm	533 ± 1.36	531 ± 10.6	6.93	99.6	-0.32

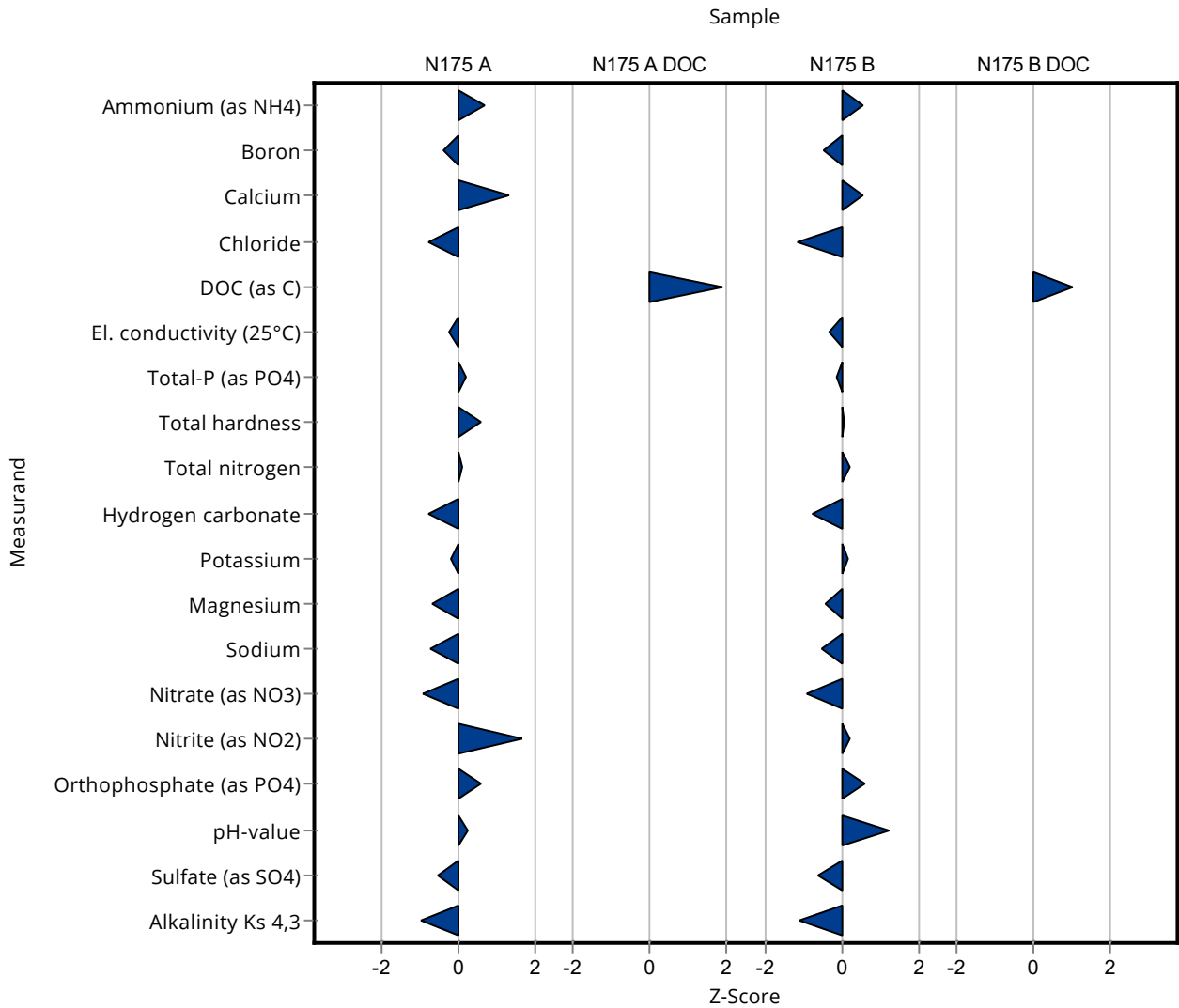
Summary of results Nutrients/Major Ions N175

Labcode: LC0024

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	2.14 ± 0.1	0.162	98.8	-0.16
Total hardness	mmol/l	2.34 ± 0.0174	2.34 ± 0.051	0.0701	100	0.04
Total nitrogen	mg/l	5.8 ± 0.138	5.91 ± 0.33	0.482	102	0.22
Hydrogen carbonate	mg/l	220 ± 0.967	217 ± 6.4	4.41	98.4	-0.79
Potassium	mg/l	2.58 ± 0.0293	2.6 ± 0.08	0.134	101	0.16
Magnesium	mg/l	15.6 ± 0.182	15.3 ± 0.46	0.622	98.4	-0.41
Sodium	mg/l	16.4 ± 0.195	16.1 ± 0.47	0.558	98.2	-0.54
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	22.2 ± 1.08	1.16	95.4	-0.93
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.686 ± 0.028	0.036	101	0.21
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.408 ± 0.025	0.0629	110	0.60
pH-value	-	7.63 ± 0.0362	7.82 ± 0.1	0.153	102	1.23
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	31.4 ± 1.29	1.06	97.9	-0.63
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.56 ± 0.1	0.0728	97.8	-1.09

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.82 ± 0.38	0.346	110	1.03



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.0384 ± 0.0039	0.00643	113	0.56
Boron	mg/l	0.0597 ± 0.00224	0.0571 ± 0.0023	0.00657	95.6	-0.51
Calcium	mg/l	165 ± 1.53	172 ± 3.4	5.12	104	0.98
Chloride	mg/l	102 ± 0.706	98.5 ± 3.82	4.07	96.8	-0.42
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1160 ± 23.2	15.1	99.7	-0.07
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.164 ± 0.0083	0.0121	102	0.15
Total hardness	mmol/l	5.74 ± 0.0381	5.84 ± 0.13	0.172	102	0.39
Total nitrogen	mg/l	2.96 ± 0.0892	2.99 ± 0.19	0.246	101	0.07
Hydrogen carbonate	mg/l	450 ± 1.44	442.5 ± 12	8.99	98.4	-0.29
Potassium	mg/l	2.56 ± 0.0428	2.54 ± 0.08	0.133	99.1	-0.15
Magnesium	mg/l	38.6 ± 0.337	37.6 ± 1.2	1.55	97.3	-0.42
Sodium	mg/l	26.5 ± 0.22	25.8 ± 0.74	0.899	97.5	-0.44
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12 ± 0.59	0.629	95.3	-0.49
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.0432 ± 0.0025	0.00298	113	0.98
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.0936 ± 0.0063	0.0121	108	0.53
pH-value	-	7.54 ± 0.0389	7.58 ± 0.095	0.151	101	0.20
Sulfate (as SO ₄)	mg/l	106 ± 0.909	104 ± 4.1	3.49	98.3	-0.22
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.25 ± 0.2	0.148	98.1	-0.35

Sample: N175ADOC

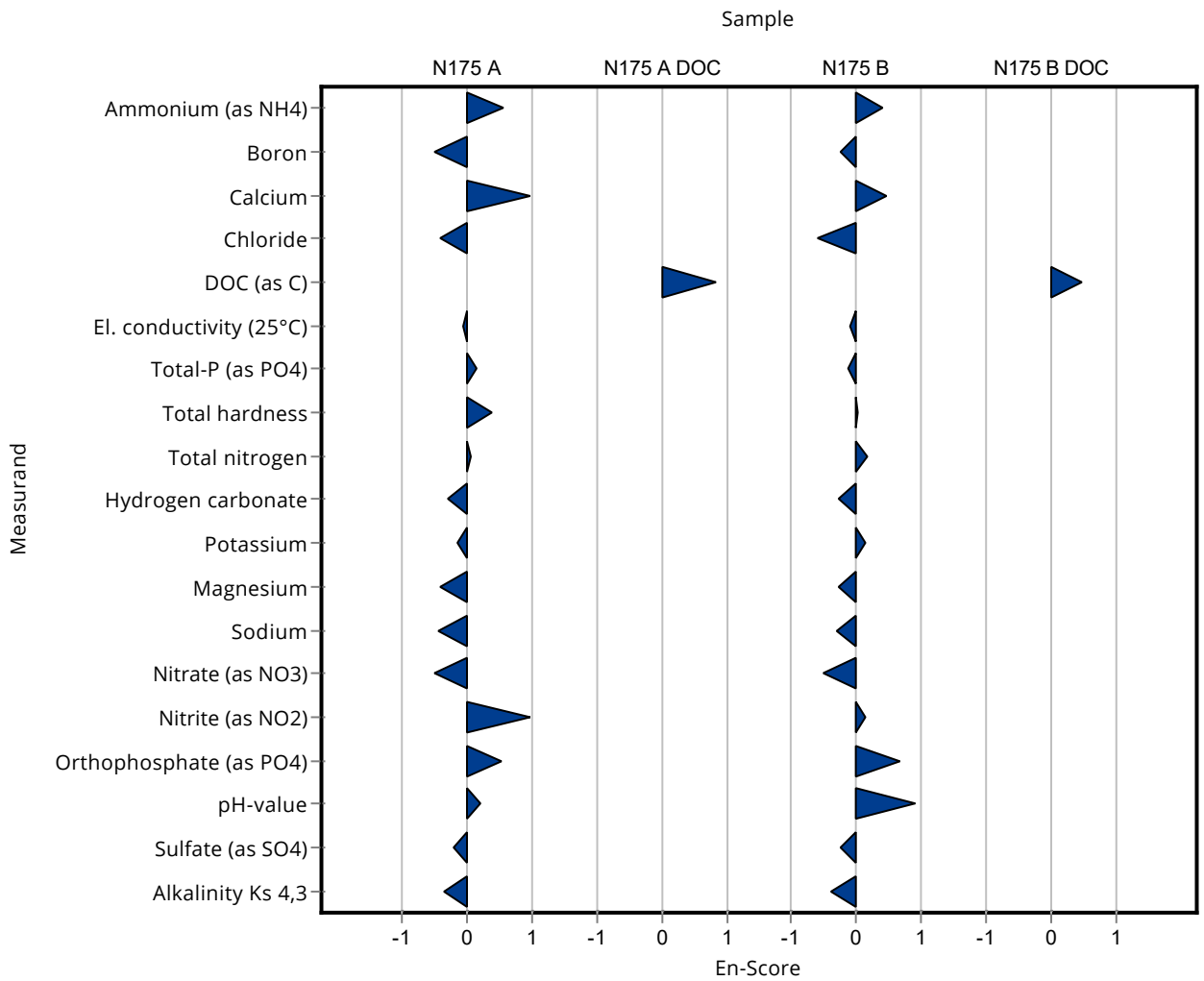
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.85 ± 0.22	0.193	125	0.83

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.328 ± 0.025	0.0369	107	0.41
Boron	mg/l	0.0176 ± 0.00104	0.0166 ± 0.002	0.00211	94.6	-0.23
Calcium	mg/l	67.4 ± 0.625	68.6 ± 1.28	2.09	102	0.45
Chloride	mg/l	29.3 ± 0.251	27.9 ± 1.14	1.17	95.3	-0.60
El. conductivity (25°C)	µS/cm	533 ± 1.36	531 ± 10.6	6.93	99.6	-0.11
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	2.14 ± 0.1	0.162	98.8	-0.12
Total hardness	mmol/l	2.34 ± 0.0174	2.34 ± 0.051	0.0701	100	0.03
Total nitrogen	mg/l	5.8 ± 0.138	5.91 ± 0.33	0.482	102	0.16
Hydrogen carbonate	mg/l	220 ± 0.967	217 ± 6.4	4.41	98.4	-0.27
Potassium	mg/l	2.58 ± 0.0293	2.6 ± 0.08	0.134	101	0.13
Magnesium	mg/l	15.6 ± 0.182	15.3 ± 0.46	0.622	98.4	-0.27
Sodium	mg/l	16.4 ± 0.195	16.1 ± 0.47	0.558	98.2	-0.31
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	22.2 ± 1.08	1.16	95.4	-0.50
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.686 ± 0.028	0.036	101	0.13
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.408 ± 0.025	0.0629	110	0.67
pH-value	-	7.63 ± 0.0362	7.82 ± 0.1	0.153	102	0.92
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	31.4 ± 1.29	1.06	97.9	-0.26
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.56 ± 0.1	0.0728	97.8	-0.40

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.82 ± 0.38	0.346	110	0.47



Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.036 ± 0.004	0.00643	106	0.33
Boron	mg/l	0.0597 ± 0.00224	0.0579 ± 0.008	0.00657	97	-0.28
Calcium	mg/l	165 ± 1.53	164.927 ± 22.678	5.12	99.8	-0.05
Chloride	mg/l	102 ± 0.706	102.394 ± 10.75	4.07	101	0.17
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1151 ± 64.4	15.1	98.9	-0.82
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.166 ± 0.017	0.0121	103	0.38
Total hardness	mmol/l	5.74 ± 0.0381	5.74 ± 0.58	0.172	100	0.02
Total nitrogen	mg/l	2.96 ± 0.0892	3.26 ± 0.326	0.246	110	1.20
Hydrogen carbonate	mg/l	450 ± 1.44	454 ± 25.24	8.99	101	0.49
Potassium	mg/l	2.56 ± 0.0428	2.659 ± 0.461	0.133	104	0.71
Magnesium	mg/l	38.6 ± 0.337	39.53 ± 4.771	1.55	102	0.58
Sodium	mg/l	26.5 ± 0.22	27.673 ± 3.204	0.899	105	1.35
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12.802 ± 0.973	0.629	102	0.34
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.038 ± 0.004	0.00298	99.5	-0.06
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.089 ± 0.009	0.0121	103	0.20
pH-value	-	7.54 ± 0.0389	7.51 ± 0.19	0.151	99.6	-0.21
Sulfate (as SO ₄)	mg/l	106 ± 0.909	108.479 ± 9.33	3.49	102	0.76
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.489 ± 0.416	0.148	101	0.66

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.472 ± 0.294	0.193	99.4	-0.05

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.3 ± 0.03	0.0369	97.6	-0.20
Boron	mg/l	0.0176 ± 0.00104	0.0175 ± 0.002	0.00211	99.7	-0.03
Calcium	mg/l	67.4 ± 0.625	67.363 ± 9.262	2.09	99.9	-0.02
Chloride	mg/l	29.3 ± 0.251	28.647 ± 3	1.17	97.9	-0.53
El. conductivity (25°C)	µS/cm	533 ± 1.36	533 ± 29.84	6.93	100	-0.03

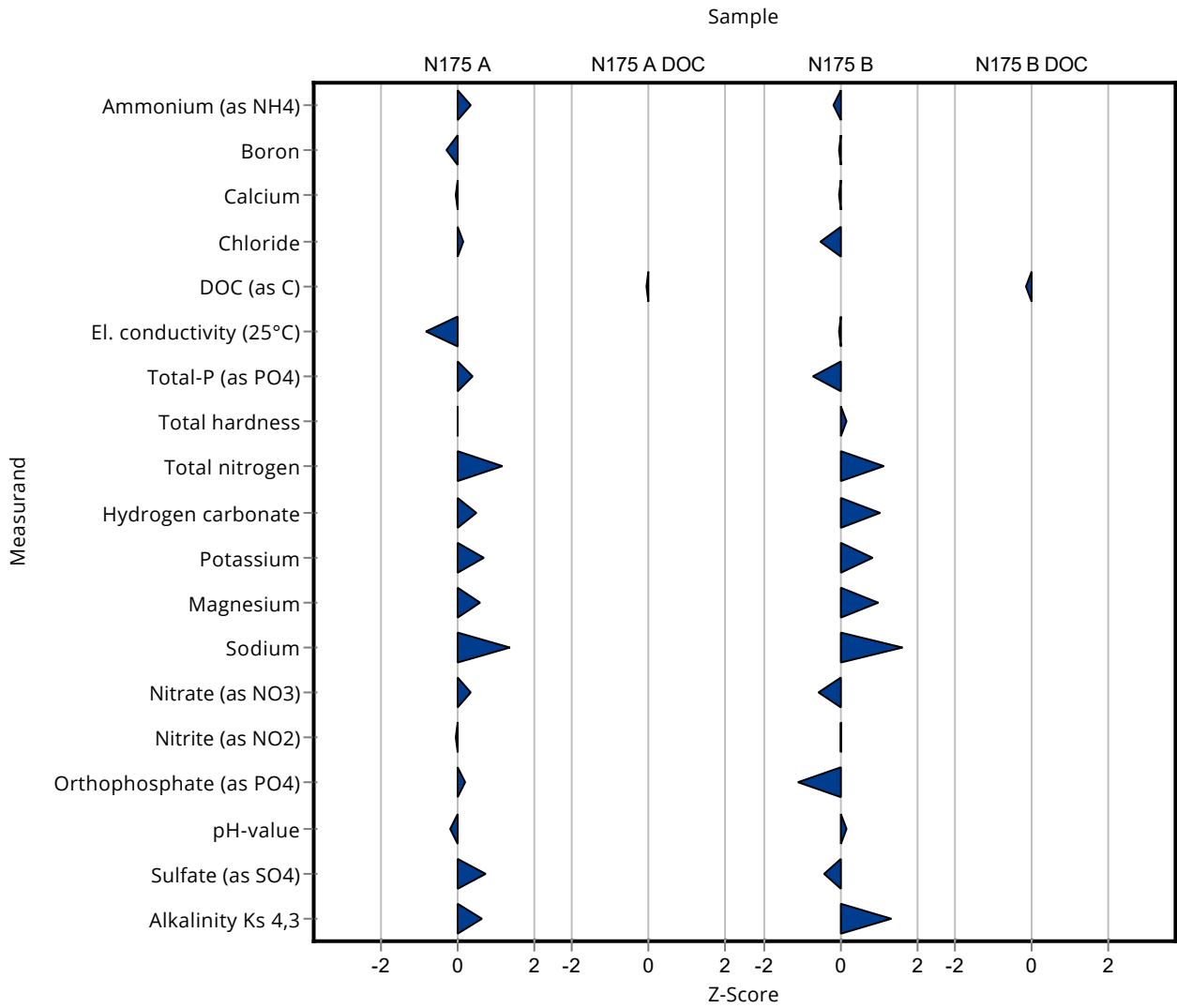
Summary of results Nutrients/Major Ions N175

Labcode: LC0025

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	2.047 ± 0.205	0.162	94.5	-0.73
Total hardness	mmol/l	2.34 ± 0.0174	2.35 ± 0.24	0.0701	101	0.18
Total nitrogen	mg/l	5.8 ± 0.138	6.35 ± 0.635	0.482	109	1.13
Hydrogen carbonate	mg/l	220 ± 0.967	225 ± 12.51	4.41	102	1.02
Potassium	mg/l	2.58 ± 0.0293	2.692 ± 0.467	0.134	104	0.84
Magnesium	mg/l	15.6 ± 0.182	16.158 ± 1.95	0.622	104	0.97
Sodium	mg/l	16.4 ± 0.195	17.311 ± 2.004	0.558	106	1.63
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	22.6 ± 1.72	1.16	97.1	-0.59
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.679 ± 0.07	0.036	100	0.02
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.3 ± 0.03	0.0629	81	-1.12
pH-value	-	7.63 ± 0.0362	7.66 ± 0.19	0.153	100	0.18
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	31.64 ± 2.72	1.06	98.7	-0.41
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.735 ± 0.208	0.0728	103	1.32

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.403 ± 0.6806	0.346	98.3	-0.17



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.036 ± 0.004	0.00643	106	0.26
Boron	mg/l	0.0597 ± 0.00224	0.0579 ± 0.008	0.00657	97	-0.11
Calcium	mg/l	165 ± 1.53	164.927 ± 22.678	5.12	99.8	-0.01
Chloride	mg/l	102 ± 0.706	102.394 ± 10.75	4.07	101	0.03
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1151 ± 64.4	15.1	98.9	-0.10
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.166 ± 0.017	0.0121	103	0.13
Total hardness	mmol/l	5.74 ± 0.0381	5.74 ± 0.58	0.172	100	0.00
Total nitrogen	mg/l	2.96 ± 0.0892	3.26 ± 0.326	0.246	110	0.45
Hydrogen carbonate	mg/l	450 ± 1.44	454 ± 25.24	8.99	101	0.09
Potassium	mg/l	2.56 ± 0.0428	2.659 ± 0.461	0.133	104	0.10
Magnesium	mg/l	38.6 ± 0.337	39.53 ± 4.771	1.55	102	0.09
Sodium	mg/l	26.5 ± 0.22	27.673 ± 3.204	0.899	105	0.19
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12.802 ± 0.973	0.629	102	0.11
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.038 ± 0.004	0.00298	99.5	-0.02
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.089 ± 0.009	0.0121	103	0.13
pH-value	-	7.54 ± 0.0389	7.51 ± 0.19	0.151	99.6	-0.08
Sulfate (as SO ₄)	mg/l	106 ± 0.909	108.479 ± 9.33	3.49	102	0.14
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.489 ± 0.416	0.148	101	0.12

Sample: N175ADOC

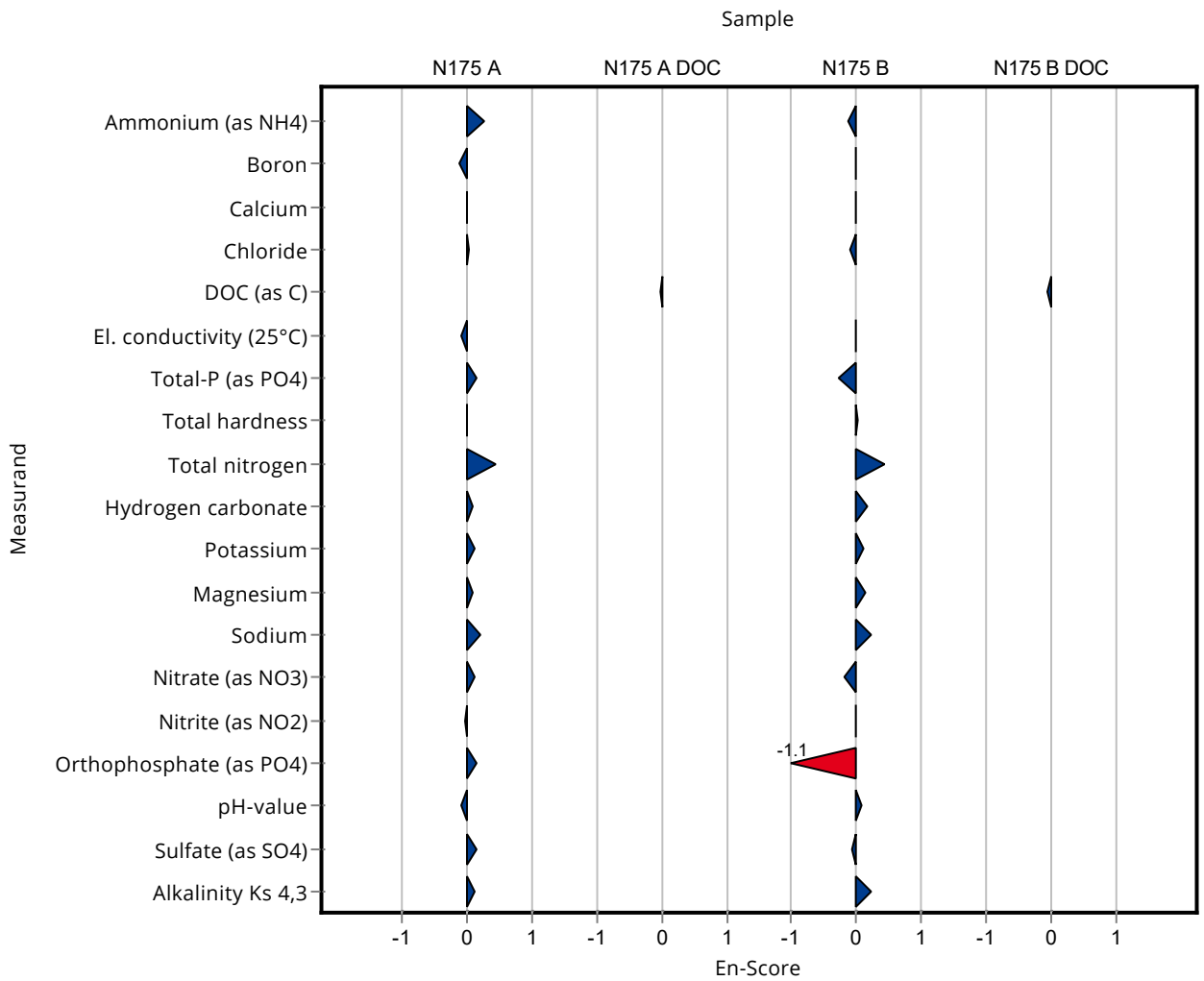
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.472 ± 0.294	0.193	99.4	-0.02

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.3 ± 0.03	0.0369	97.6	-0.12
Boron	mg/l	0.0176 ± 0.00104	0.0175 ± 0.002	0.00211	99.7	-0.01
Calcium	mg/l	67.4 ± 0.625	67.363 ± 9.262	2.09	99.9	0.00
Chloride	mg/l	29.3 ± 0.251	28.647 ± 3	1.17	97.9	-0.10
El. conductivity (25°C)	µS/cm	533 ± 1.36	533 ± 29.84	6.93	100	0.00
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	2.047 ± 0.205	0.162	94.5	-0.29
Total hardness	mmol/l	2.34 ± 0.0174	2.35 ± 0.24	0.0701	101	0.03
Total nitrogen	mg/l	5.8 ± 0.138	6.35 ± 0.635	0.482	109	0.43
Hydrogen carbonate	mg/l	220 ± 0.967	225 ± 12.51	4.41	102	0.18
Potassium	mg/l	2.58 ± 0.0293	2.692 ± 0.467	0.134	104	0.12
Magnesium	mg/l	15.6 ± 0.182	16.158 ± 1.95	0.622	104	0.15
Sodium	mg/l	16.4 ± 0.195	17.311 ± 2.004	0.558	106	0.23
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	22.6 ± 1.72	1.16	97.1	-0.20
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.679 ± 0.07	0.036	100	0.00
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.3 ± 0.03	0.0629	81	-1.08
pH-value	-	7.63 ± 0.0362	7.66 ± 0.19	0.153	100	0.07
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	31.64 ± 2.72	1.06	98.7	-0.08
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.735 ± 0.208	0.0728	103	0.23

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.403 ± 0.6806	0.346	98.3	-0.04



Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	- ± -	0.00643	-	-
Boron	mg/l	0.0597 ± 0.00224	0.063 ± 0.006	0.00657	106	0.50
Calcium	mg/l	165 ± 1.53	160.7 ± 16	5.12	97.3	-0.87
Chloride	mg/l	102 ± 0.706	- ± -	4.07	-	-
El. conductivity (25°C)	µS/cm	1160 ± 3.02	- ± -	15.1	-	-
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	- ± -	0.0121	-	-
Total hardness	mmol/l	5.74 ± 0.0381	- ± -	0.172	-	-
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	- ± -	8.99	-	-
Potassium	mg/l	2.56 ± 0.0428	1.19 ± 0.12	0.133	46.4	-10.31
Magnesium	mg/l	38.6 ± 0.337	39.76 ± 3.9	1.55	103	0.73
Sodium	mg/l	26.5 ± 0.22	28.01 ± 2.8	0.899	106	1.73
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	- ± -	0.629	-	-
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	- ± -	0.00298	-	-
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	- ± -	0.0121	-	-
pH-value	-	7.54 ± 0.0389	- ± -	0.151	-	-
Sulfate (as SO ₄)	mg/l	106 ± 0.909	- ± -	3.49	-	-
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	- ± -	0.148	-	-

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	- ± -	0.193	-	-

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	- ± -	0.0369	-	-
Boron	mg/l	0.0176 ± 0.00104	0.02 ± 0.002	0.00211	114	1.16
Calcium	mg/l	67.4 ± 0.625	63.7 ± 6.4	2.09	94.5	-1.77
Chloride	mg/l	29.3 ± 0.251	- ± -	1.17	-	-
El. conductivity (25°C)	µS/cm	533 ± 1.36	- ± -	6.93	-	-

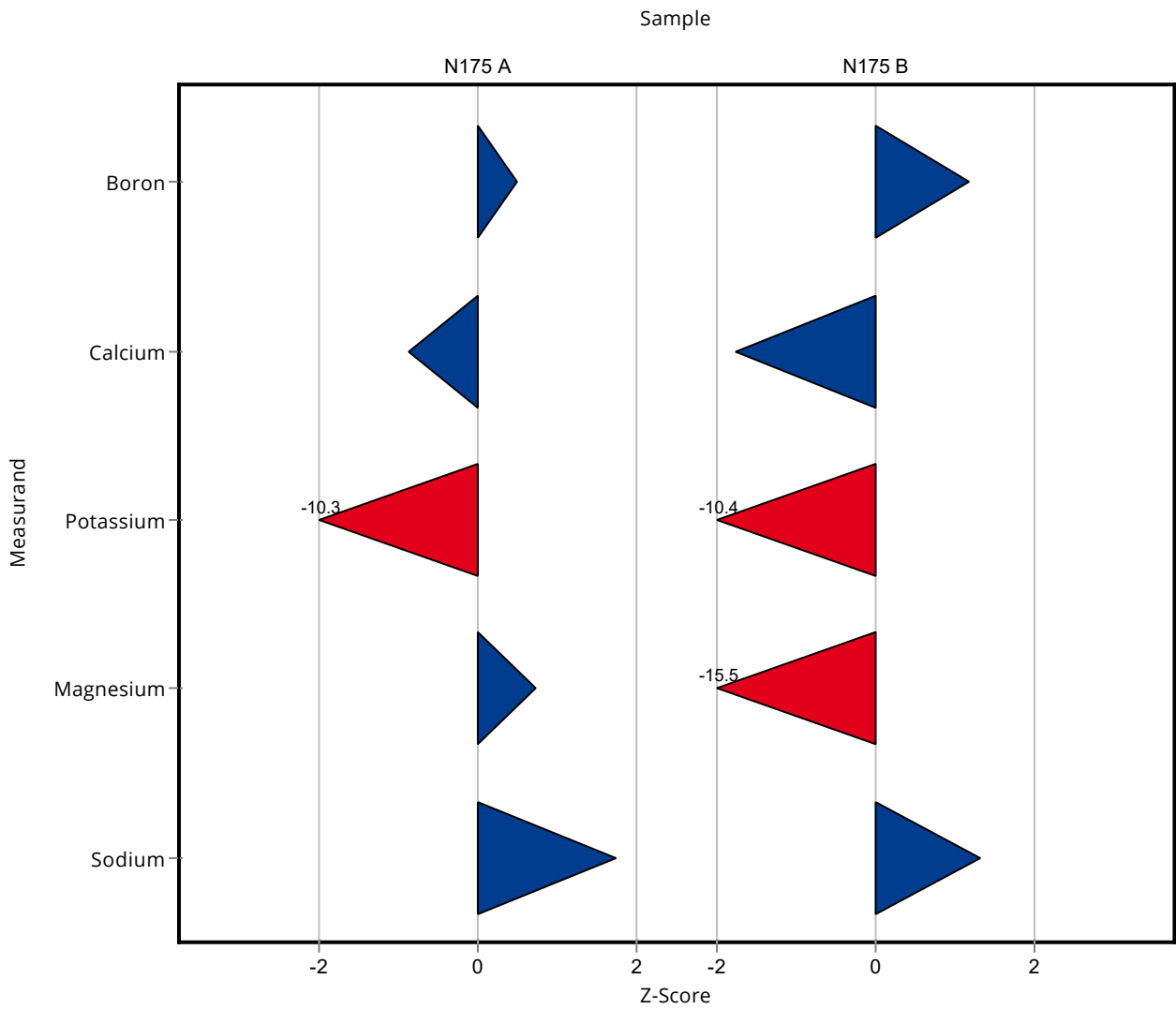
Summary of results Nutrients/Major Ions N175

Labcode: LC0026

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO4)	mg/l	2.17 ± 0.0523	- ± -	0.162	-	-
Total hardness	mmol/l	2.34 ± 0.0174	- ± -	0.0701	-	-
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	- ± -	4.41	-	-
Potassium	mg/l	2.58 ± 0.0293	1.19 ± 0.12	0.134	46.1	-10.36
Magnesium	mg/l	15.6 ± 0.182	5.93 ± 0.59	0.622	38.1	-15.47
Sodium	mg/l	16.4 ± 0.195	17.13 ± 1.7	0.558	104	1.31
Nitrate (as NO3)	mg/l	23.3 ± 0.218	- ± -	1.16	-	-
Nitrite (as NO2)	mg/l	0.678 ± 0.00681	- ± -	0.036	-	-
Orthophosphate (as PO4)	mg/l	0.37 ± 0.0253	- ± -	0.0629	-	-
pH-value	-	7.63 ± 0.0362	- ± -	0.153	-	-
Sulfate (as SO4)	mg/l	32.1 ± 0.266	- ± -	1.06	-	-
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	- ± -	0.0728	-	-

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	- ± -	0.346	-	-



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	- ± -	0.00643	-	-
Boron	mg/l	0.0597 ± 0.00224	0.063 ± 0.006	0.00657	106	0.27
Calcium	mg/l	165 ± 1.53	160.7 ± 16	5.12	97.3	-0.14
Chloride	mg/l	102 ± 0.706	- ± -	4.07	-	-
El. conductivity (25°C)	µS/cm	1160 ± 3.02	- ± -	15.1	-	-
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	- ± -	0.0121	-	-
Total hardness	mmol/l	5.74 ± 0.0381	- ± -	0.172	-	-
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	- ± -	8.99	-	-
Potassium	mg/l	2.56 ± 0.0428	1.19 ± 0.12	0.133	46.4	-5.64
Magnesium	mg/l	38.6 ± 0.337	39.76 ± 3.9	1.55	103	0.15
Sodium	mg/l	26.5 ± 0.22	28.01 ± 2.8	0.899	106	0.28
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	- ± -	0.629	-	-
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	- ± -	0.00298	-	-
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	- ± -	0.0121	-	-
pH-value	-	7.54 ± 0.0389	- ± -	0.151	-	-
Sulfate (as SO ₄)	mg/l	106 ± 0.909	- ± -	3.49	-	-
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	- ± -	0.148	-	-

Sample: N175ADOC

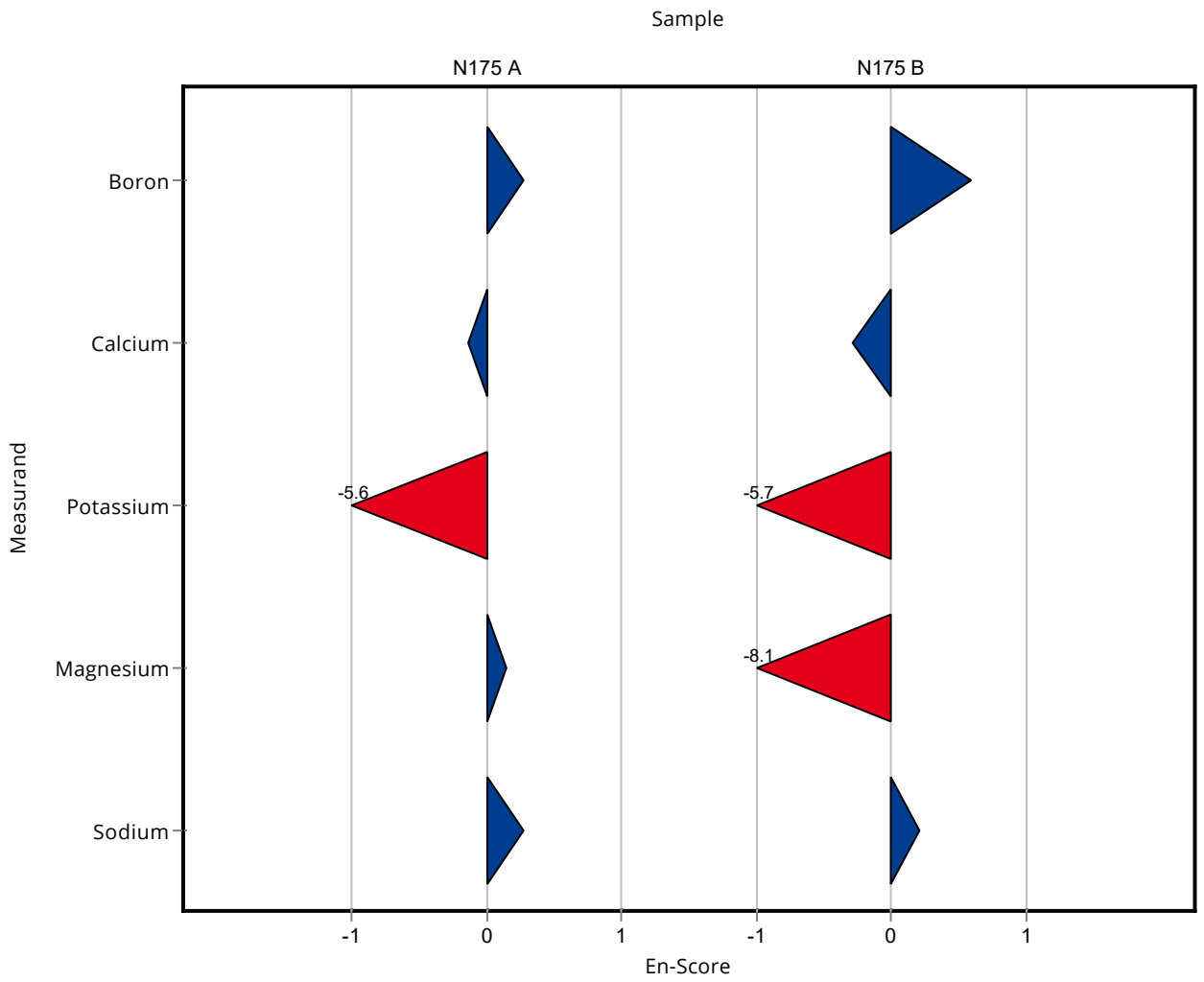
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	- ± -	0.193	-	-

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	- ± -	0.0369	-	-
Boron	mg/l	0.0176 ± 0.00104	0.02 ± 0.002	0.00211	114	0.59
Calcium	mg/l	67.4 ± 0.625	63.7 ± 6.4	2.09	94.5	-0.29
Chloride	mg/l	29.3 ± 0.251	- ± -	1.17	-	-
El. conductivity (25°C)	µS/cm	533 ± 1.36	- ± -	6.93	-	-
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	- ± -	0.162	-	-
Total hardness	mmol/l	2.34 ± 0.0174	- ± -	0.0701	-	-
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	- ± -	4.41	-	-
Potassium	mg/l	2.58 ± 0.0293	1.19 ± 0.12	0.134	46.1	-5.74
Magnesium	mg/l	15.6 ± 0.182	5.93 ± 0.59	0.622	38.1	-8.06
Sodium	mg/l	16.4 ± 0.195	17.13 ± 1.7	0.558	104	0.21
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	- ± -	1.16	-	-
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	- ± -	0.036	-	-
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	- ± -	0.0629	-	-
pH-value	-	7.63 ± 0.0362	- ± -	0.153	-	-
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	- ± -	1.06	-	-
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	- ± -	0.0728	-	-

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	- ± -	0.346	-	-



Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.045 ± 0.005	0.00643	133	1.73
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	- ± -	5.12	-	-
Chloride	mg/l	102 ± 0.706	102.7 ± 7.5	4.07	101	0.24
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1161 ± 32.51	15.1	99.8	-0.16
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	- ± -	0.0121	-	-
Total hardness	mmol/l	5.74 ± 0.0381	- ± -	0.172	-	-
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	453.031 ± 9.51	8.99	101	0.38
Potassium	mg/l	2.56 ± 0.0428	- ± -	0.133	-	-
Magnesium	mg/l	38.6 ± 0.337	- ± -	1.55	-	-
Sodium	mg/l	26.5 ± 0.22	- ± -	0.899	-	-
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12.81 ± 0.55	0.629	102	0.35
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.038 ± 0.003	0.00298	99.5	-0.06
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	- ± -	0.0121	-	-
pH-value	-	7.54 ± 0.0389	7.51 ± 0.12	0.151	99.6	-0.21
Sulfate (as SO ₄)	mg/l	106 ± 0.909	106.5 ± 2.98	3.49	101	0.19
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.425 ± 0.16	0.148	100	0.23

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.5 ± 0.12	0.193	101	0.10

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.34 ± 0.04	0.0369	111	0.89
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	- ± -	2.09	-	-
Chloride	mg/l	29.3 ± 0.251	29.56 ± 2.16	1.17	101	0.25
El. conductivity (25°C)	µS/cm	533 ± 1.36	532 ± 14.9	6.93	99.8	-0.18

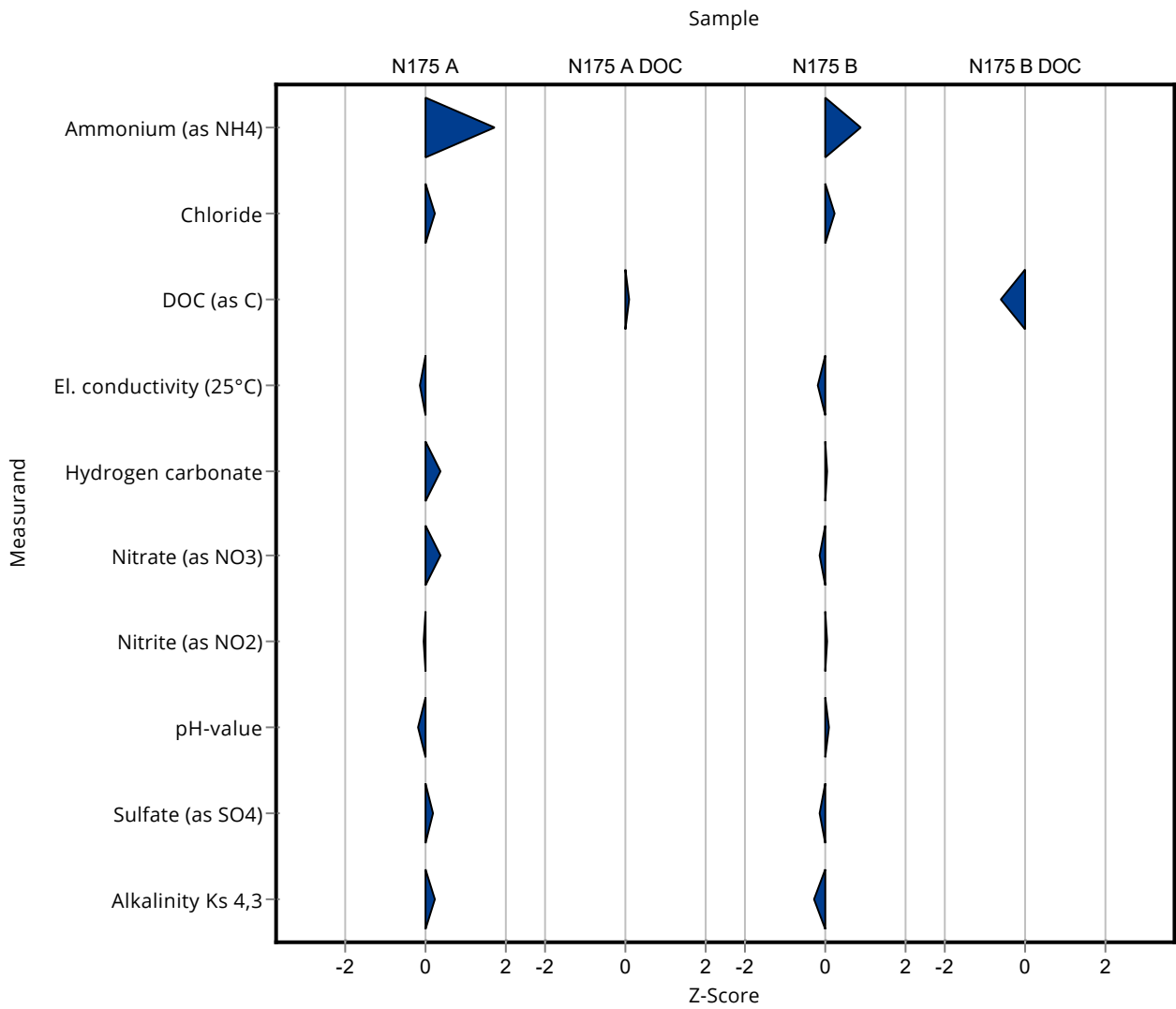
Summary of results Nutrients/Major Ions N175

Labcode: LC0027

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	- ± -	0.162	-	-
Total hardness	mmol/l	2.34 ± 0.0174	- ± -	0.0701	-	-
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	220.7 ± 4.63	4.41	100	0.05
Potassium	mg/l	2.58 ± 0.0293	- ± -	0.134	-	-
Magnesium	mg/l	15.6 ± 0.182	- ± -	0.622	-	-
Sodium	mg/l	16.4 ± 0.195	- ± -	0.558	-	-
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	23.1 ± 0.99	1.16	99.2	-0.16
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.681 ± 0.04	0.036	100	0.07
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	- ± -	0.0629	-	-
pH-value	-	7.63 ± 0.0362	7.65 ± 0.12	0.153	100	0.11
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	31.91 ± 0.89	1.06	99.5	-0.15
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.62 ± 0.076	0.0728	99.5	-0.26

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.26 ± 0.26	0.346	94.2	-0.58



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.045 ± 0.005	0.00643	133	1.09
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	- ± -	5.12	-	-
Chloride	mg/l	102 ± 0.706	102.7 ± 7.5	4.07	101	0.07
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1161 ± 32.51	15.1	99.8	-0.04
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	- ± -	0.0121	-	-
Total hardness	mmol/l	5.74 ± 0.0381	- ± -	0.172	-	-
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	453.031 ± 9.51	8.99	101	0.18
Potassium	mg/l	2.56 ± 0.0428	- ± -	0.133	-	-
Magnesium	mg/l	38.6 ± 0.337	- ± -	1.55	-	-
Sodium	mg/l	26.5 ± 0.22	- ± -	0.899	-	-
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12.81 ± 0.55	0.629	102	0.20
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.038 ± 0.003	0.00298	99.5	-0.03
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	- ± -	0.0121	-	-
pH-value	-	7.54 ± 0.0389	7.51 ± 0.12	0.151	99.6	-0.13
Sulfate (as SO ₄)	mg/l	106 ± 0.909	106.5 ± 2.98	3.49	101	0.11
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.425 ± 0.16	0.148	100	0.11

Sample: N175ADOC

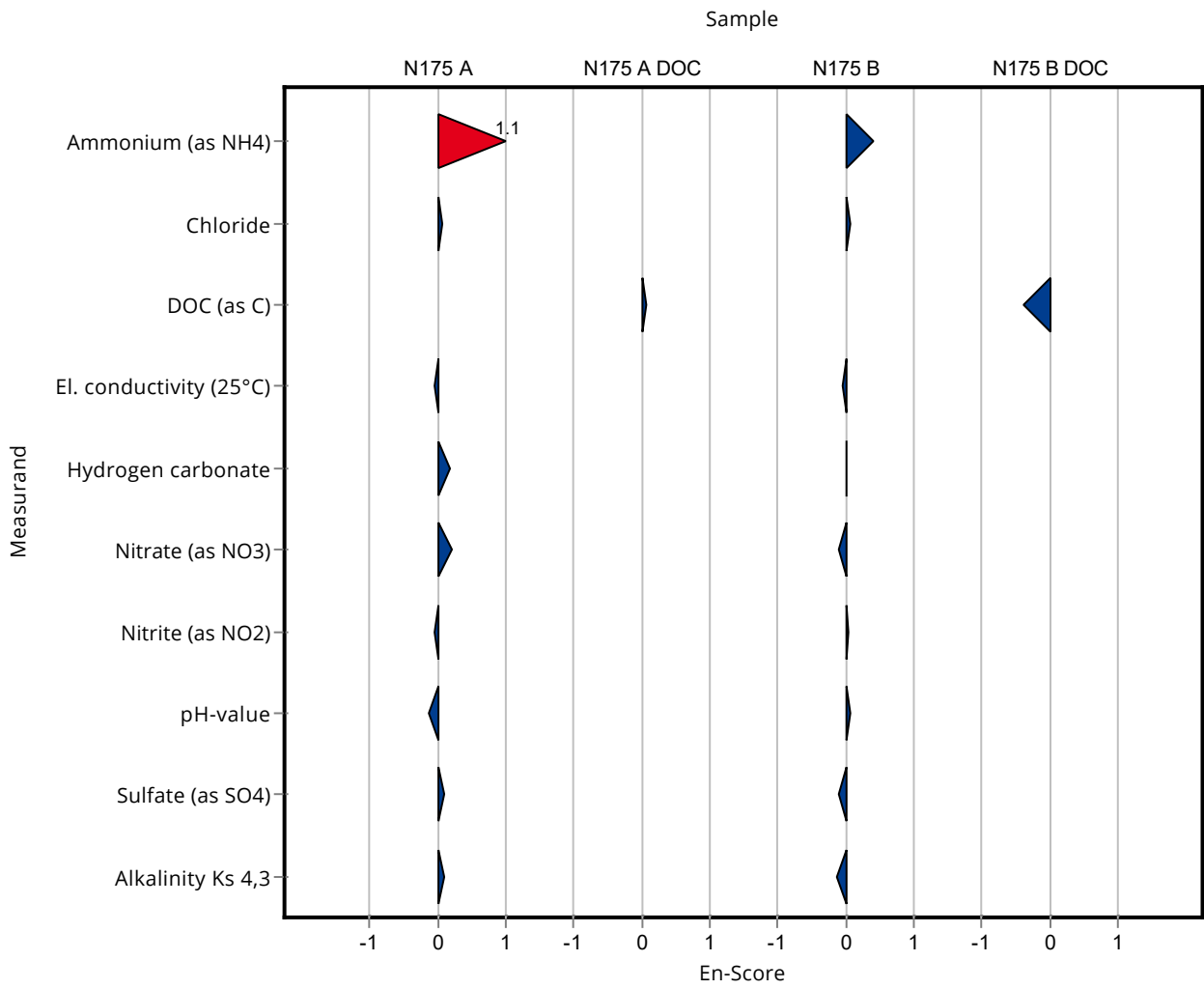
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.5 ± 0.12	0.193	101	0.07

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.34 ± 0.04	0.0369	111	0.41
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	- ± -	2.09	-	-
Chloride	mg/l	29.3 ± 0.251	29.56 ± 2.16	1.17	101	0.07
El. conductivity (25°C)	µS/cm	533 ± 1.36	532 ± 14.9	6.93	99.8	-0.04
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	- ± -	0.162	-	-
Total hardness	mmol/l	2.34 ± 0.0174	- ± -	0.0701	-	-
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	220.7 ± 4.63	4.41	100	0.02
Potassium	mg/l	2.58 ± 0.0293	- ± -	0.134	-	-
Magnesium	mg/l	15.6 ± 0.182	- ± -	0.622	-	-
Sodium	mg/l	16.4 ± 0.195	- ± -	0.558	-	-
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	23.1 ± 0.99	1.16	99.2	-0.09
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.681 ± 0.04	0.036	100	0.03
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	- ± -	0.0629	-	-
pH-value	-	7.63 ± 0.0362	7.65 ± 0.12	0.153	100	0.07
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	31.91 ± 0.89	1.06	99.5	-0.09
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.62 ± 0.076	0.0728	99.5	-0.13

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.26 ± 0.26	0.346	94.2	-0.38



Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.0224 ± 0.003	0.00643	66.2	-1.78
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	160.95 ± 1	5.12	97.4	-0.83
Chloride	mg/l	102 ± 0.706	101.66 ± 0.2	4.07	100	-0.01
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1154 ± 2	15.1	99.2	-0.62
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.1502 ± 0.005	0.0121	93	-0.93
Total hardness	mmol/l	5.74 ± 0.0381	5.742 ± 0.1	0.172	100	0.03
Total nitrogen	mg/l	2.96 ± 0.0892	2.85 ± 0.2	0.246	96.2	-0.46
Hydrogen carbonate	mg/l	450 ± 1.44	454.5 ± 6.1	8.99	101	0.55
Potassium	mg/l	2.56 ± 0.0428	2.53 ± 0.1	0.133	98.7	-0.26
Magnesium	mg/l	38.6 ± 0.337	37.58 ± 0.2	1.55	97.3	-0.68
Sodium	mg/l	26.5 ± 0.22	25.57 ± 0.2	0.899	96.7	-0.98
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12.442 ± 0.4	0.629	98.8	-0.23
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.0338 ± 0.002	0.00298	88.5	-1.47
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.0906 ± 0.002	0.0121	105	0.33
pH-value	-	7.54 ± 0.0389	7.655 ± 0.05	0.151	102	0.75
Sulfate (as SO ₄)	mg/l	106 ± 0.909	105.8 ± 2	3.49	100	-0.01
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.449 ± 0.1	0.148	101	0.39

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.528 ± 0.2	0.193	103	0.24

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.3466 ± 0.003	0.0369	113	1.07
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	66.06 ± 1	2.09	98	-0.64
Chloride	mg/l	29.3 ± 0.251	29.01 ± 0.2	1.17	99.1	-0.22
El. conductivity (25°C)	µS/cm	533 ± 1.36	531 ± 2	6.93	99.6	-0.32

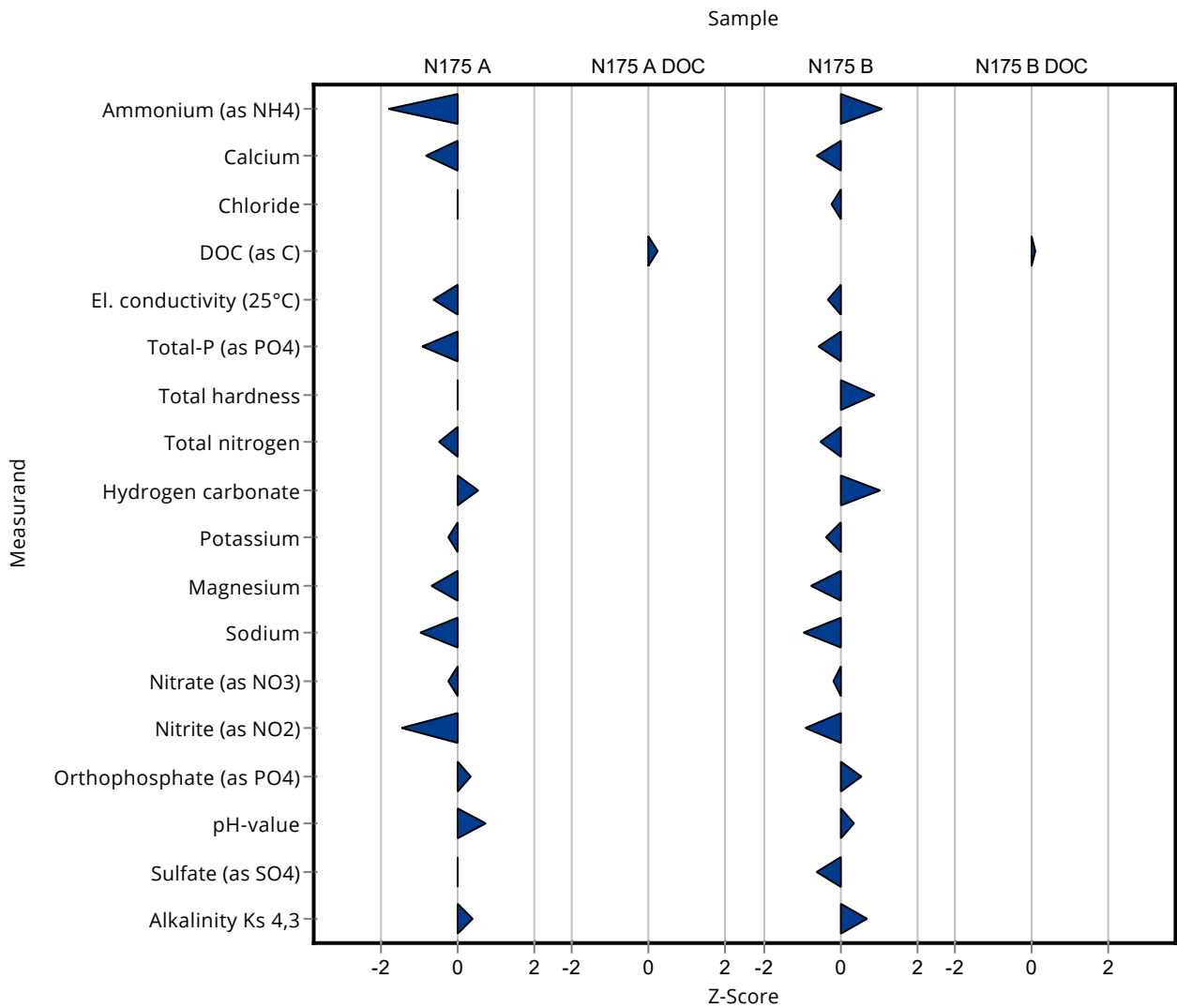
Summary of results Nutrients/Major Ions N175

Labcode: LC0028

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	2.076 ± 0.005	0.162	95.9	-0.55
Total hardness	mmol/l	2.34 ± 0.0174	2.4 ± 0.1	0.0701	103	0.90
Total nitrogen	mg/l	5.8 ± 0.138	5.56 ± 0.2	0.482	95.8	-0.51
Hydrogen carbonate	mg/l	220 ± 0.967	225.1 ± 6.1	4.41	102	1.05
Potassium	mg/l	2.58 ± 0.0293	2.53 ± 0.1	0.134	98.1	-0.36
Magnesium	mg/l	15.6 ± 0.182	15.09 ± 0.2	0.622	97	-0.75
Sodium	mg/l	16.4 ± 0.195	15.85 ± 0.2	0.558	96.6	-0.99
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	23.058 ± 0.4	1.16	99	-0.19
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.646 ± 0.002	0.036	95.2	-0.90
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.4057 ± 0.002	0.0629	110	0.56
pH-value	-	7.63 ± 0.0362	7.69 ± 0.05	0.153	101	0.38
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	31.39 ± 2	1.06	97.9	-0.64
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.689 ± 0.1	0.0728	101	0.68

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.501 ± 0.2	0.346	101	0.11



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.0224 ± 0.003	0.00643	66.2	-1.79
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	160.95 ± 1	5.12	97.4	-1.68
Chloride	mg/l	102 ± 0.706	101.66 ± 0.2	4.07	100	-0.06
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1154 ± 2	15.1	99.2	-1.87
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.1502 ± 0.005	0.0121	93	-1.06
Total hardness	mmol/l	5.74 ± 0.0381	5.742 ± 0.1	0.172	100	0.03
Total nitrogen	mg/l	2.96 ± 0.0892	2.85 ± 0.2	0.246	96.2	-0.28
Hydrogen carbonate	mg/l	450 ± 1.44	454.5 ± 6.1	8.99	101	0.40
Potassium	mg/l	2.56 ± 0.0428	2.53 ± 0.1	0.133	98.7	-0.17
Magnesium	mg/l	38.6 ± 0.337	37.58 ± 0.2	1.55	97.3	-2.00
Sodium	mg/l	26.5 ± 0.22	25.57 ± 0.2	0.899	96.7	-1.94
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12.442 ± 0.4	0.629	98.8	-0.18
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.0338 ± 0.002	0.00298	88.5	-1.06
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.0906 ± 0.002	0.0121	105	0.68
pH-value	-	7.54 ± 0.0389	7.655 ± 0.05	0.151	102	1.06
Sulfate (as SO ₄)	mg/l	106 ± 0.909	105.8 ± 2	3.49	100	-0.01
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.449 ± 0.1	0.148	101	0.29

Sample: N175ADOC

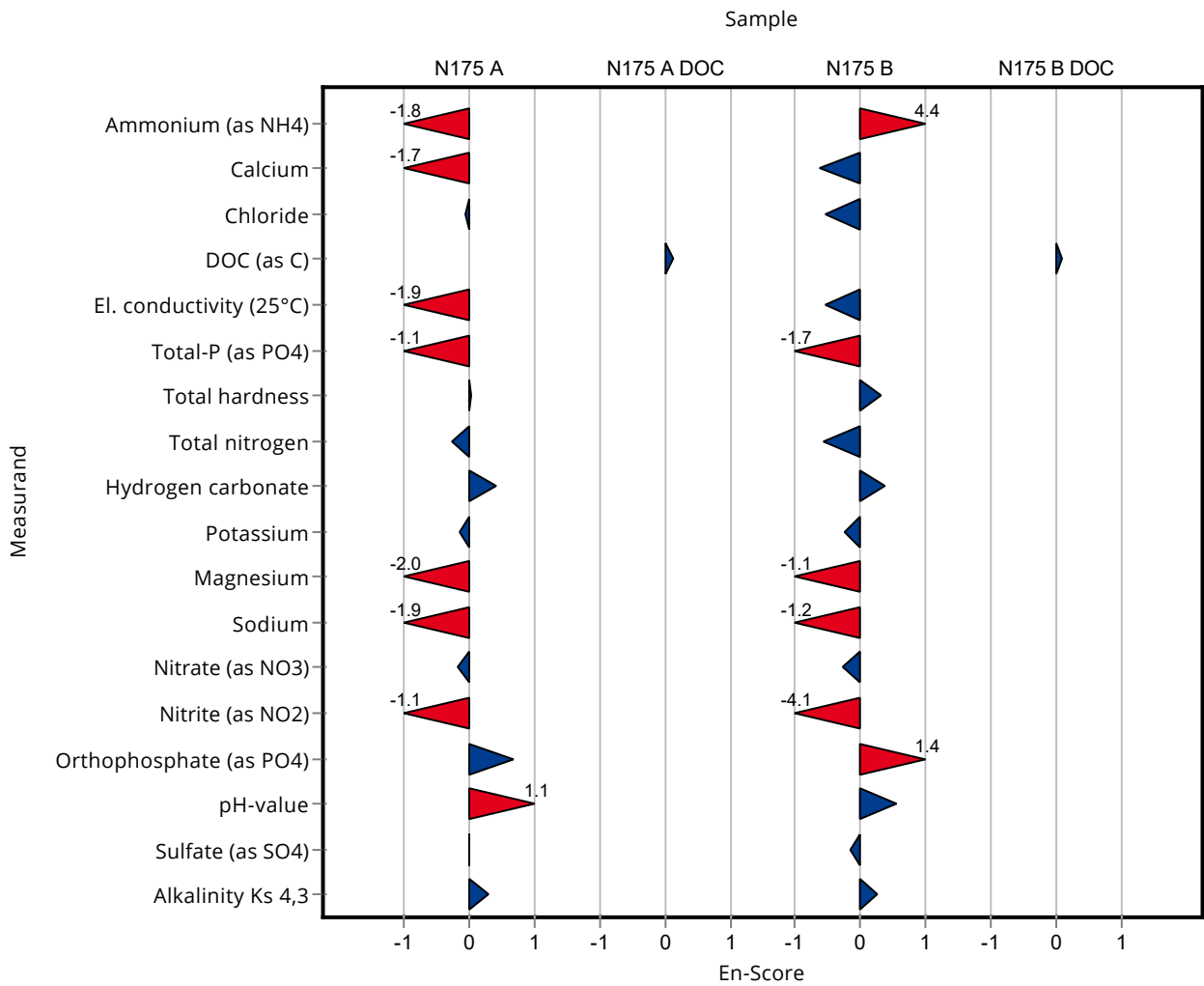
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.528 ± 0.2	0.193	103	0.11

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.3466 ± 0.003	0.0369	113	4.39
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	66.06 ± 1	2.09	98	-0.64
Chloride	mg/l	29.3 ± 0.251	29.01 ± 0.2	1.17	99.1	-0.54
El. conductivity (25°C)	µS/cm	533 ± 1.36	531 ± 2	6.93	99.6	-0.53
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	2.076 ± 0.005	0.162	95.9	-1.68
Total hardness	mmol/l	2.34 ± 0.0174	2.4 ± 0.1	0.0701	103	0.31
Total nitrogen	mg/l	5.8 ± 0.138	5.56 ± 0.2	0.482	95.8	-0.58
Hydrogen carbonate	mg/l	220 ± 0.967	225.1 ± 6.1	4.41	102	0.38
Potassium	mg/l	2.58 ± 0.0293	2.53 ± 0.1	0.134	98.1	-0.24
Magnesium	mg/l	15.6 ± 0.182	15.09 ± 0.2	0.622	97	-1.06
Sodium	mg/l	16.4 ± 0.195	15.85 ± 0.2	0.558	96.6	-1.24
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	23.058 ± 0.4	1.16	99	-0.27
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.646 ± 0.002	0.036	95.2	-4.10
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.4057 ± 0.002	0.0629	110	1.38
pH-value	-	7.63 ± 0.0362	7.69 ± 0.05	0.153	101	0.54
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	31.39 ± 2	1.06	97.9	-0.17
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.689 ± 0.1	0.0728	101	0.25

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.501 ± 0.2	0.346	101	0.09



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.032 ± 0.007	0.00643	94.5	-0.29
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	167.1 ± 22.29	5.12	101	0.38
Chloride	mg/l	102 ± 0.706	107.5 ± 8.97	4.07	106	1.42
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1179.6 ± 66.8	15.1	101	1.07
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.159 ± 0.026	0.0121	98.5	-0.20
Total hardness	mmol/l	5.74 ± 0.0381	5.757 ± 0.766	0.172	100	0.12
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	449.1 ± 22.5	8.99	99.9	-0.05
Potassium	mg/l	2.56 ± 0.0428	2.3 ± 0.38	0.133	89.7	-1.98
Magnesium	mg/l	38.6 ± 0.337	38.7 ± 5.12	1.55	100	0.05
Sodium	mg/l	26.5 ± 0.22	26.4 ± 4.67	0.899	99.8	-0.06
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	13.1 ± 1.11	0.629	104	0.82
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.036 ± 0.004	0.00298	94.3	-0.73
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.11 ± 0.03	0.0121	127	1.93
pH-value	-	7.54 ± 0.0389	7.9 ± 0.1	0.151	105	2.38
Sulfate (as SO ₄)	mg/l	106 ± 0.909	114.7 ± 7.4	3.49	108	2.54
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.411 ± 0.1	0.148	100	0.13

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.5 ± 0.28	0.193	101	0.10

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.33 ± 0.075	0.0369	107	0.62
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	64.4 ± 8.59	2.09	95.5	-1.44
Chloride	mg/l	29.3 ± 0.251	30.7 ± 2.56	1.17	105	1.22
El. conductivity (25°C)	µS/cm	533 ± 1.36	536.8 ± 30.4	6.93	101	0.51

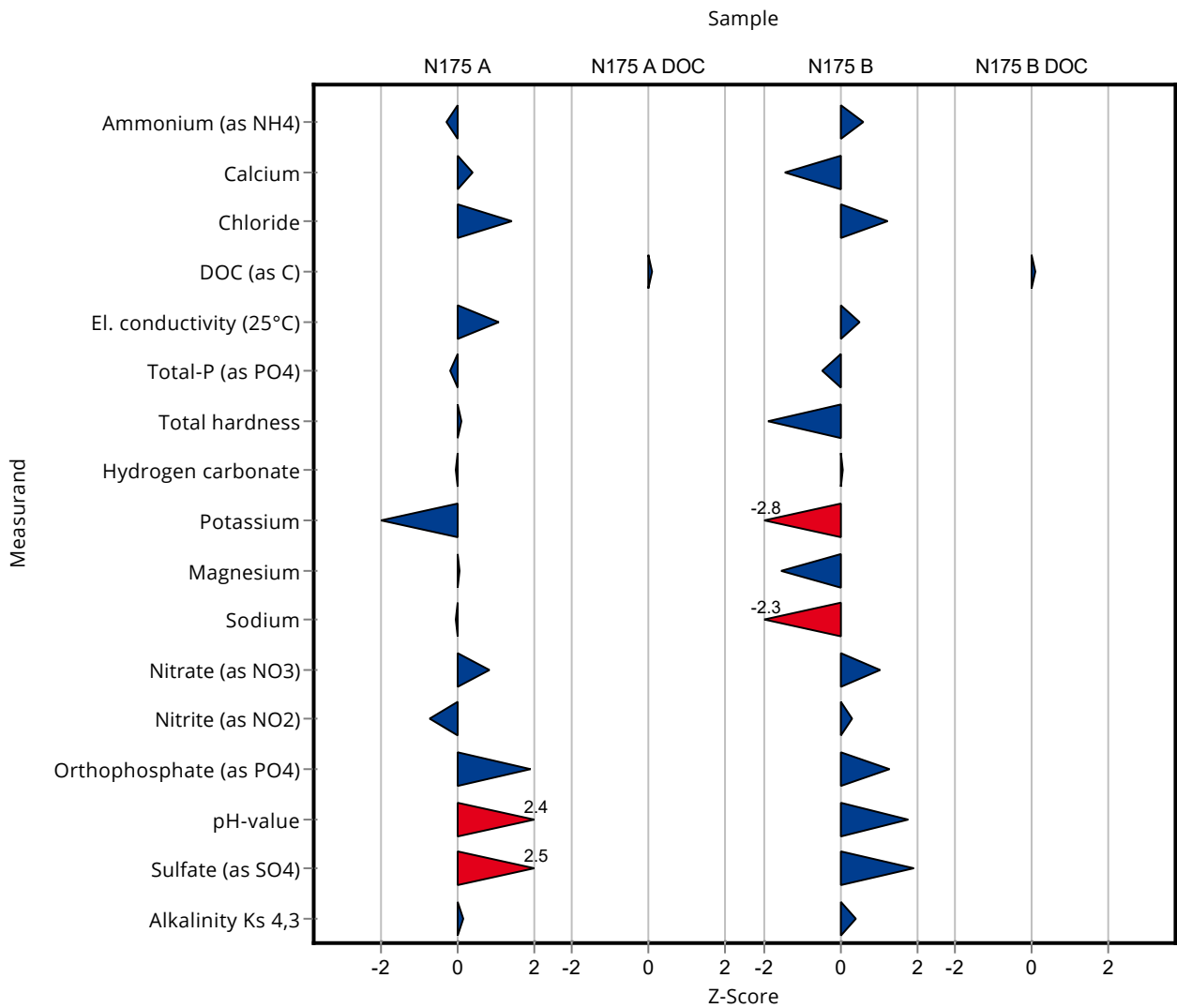
Summary of results Nutrients/Major Ions N175

Labcode: LC0029

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	2.085 ± 0.334	0.162	96.3	-0.49
Total hardness	mmol/l	2.34 ± 0.0174	2.206 ± 0.294	0.0701	94.4	-1.87
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	220.8 ± 11.4	4.41	100	0.07
Potassium	mg/l	2.58 ± 0.0293	2.2 ± 0.36	0.134	85.3	-2.82
Magnesium	mg/l	15.6 ± 0.182	14.6 ± 1.93	0.622	93.9	-1.54
Sodium	mg/l	16.4 ± 0.195	15.1 ± 2.67	0.558	92.1	-2.33
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	24.5 ± 2.07	1.16	105	1.05
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.69 ± 0.074	0.036	102	0.32
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.45 ± 0.124	0.0629	122	1.27
pH-value	-	7.63 ± 0.0362	7.9 ± 0.1	0.153	104	1.75
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	34.1 ± 2.2	1.06	106	1.92
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.669 ± 0.19	0.0728	101	0.41

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.5 ± 0.65	0.346	101	0.11



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.032 ± 0.007	0.00643	94.5	-0.13
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	167.1 ± 22.29	5.12	101	0.04
Chloride	mg/l	102 ± 0.706	107.5 ± 8.97	4.07	106	0.32
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1179.6 ± 66.8	15.1	101	0.12
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.159 ± 0.026	0.0121	98.5	-0.05
Total hardness	mmol/l	5.74 ± 0.0381	5.757 ± 0.766	0.172	100	0.01
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	449.1 ± 22.5	8.99	99.9	-0.01
Potassium	mg/l	2.56 ± 0.0428	2.3 ± 0.38	0.133	89.7	-0.35
Magnesium	mg/l	38.6 ± 0.337	38.7 ± 5.12	1.55	100	0.01
Sodium	mg/l	26.5 ± 0.22	26.4 ± 4.67	0.899	99.8	-0.01
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	13.1 ± 1.11	0.629	104	0.23
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.036 ± 0.004	0.00298	94.3	-0.27
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.11 ± 0.03	0.0121	127	0.39
pH-value	-	7.54 ± 0.0389	7.9 ± 0.1	0.151	105	1.76
Sulfate (as SO ₄)	mg/l	106 ± 0.909	114.7 ± 7.4	3.49	108	0.60
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.411 ± 0.1	0.148	100	0.10

Sample: N175ADOC

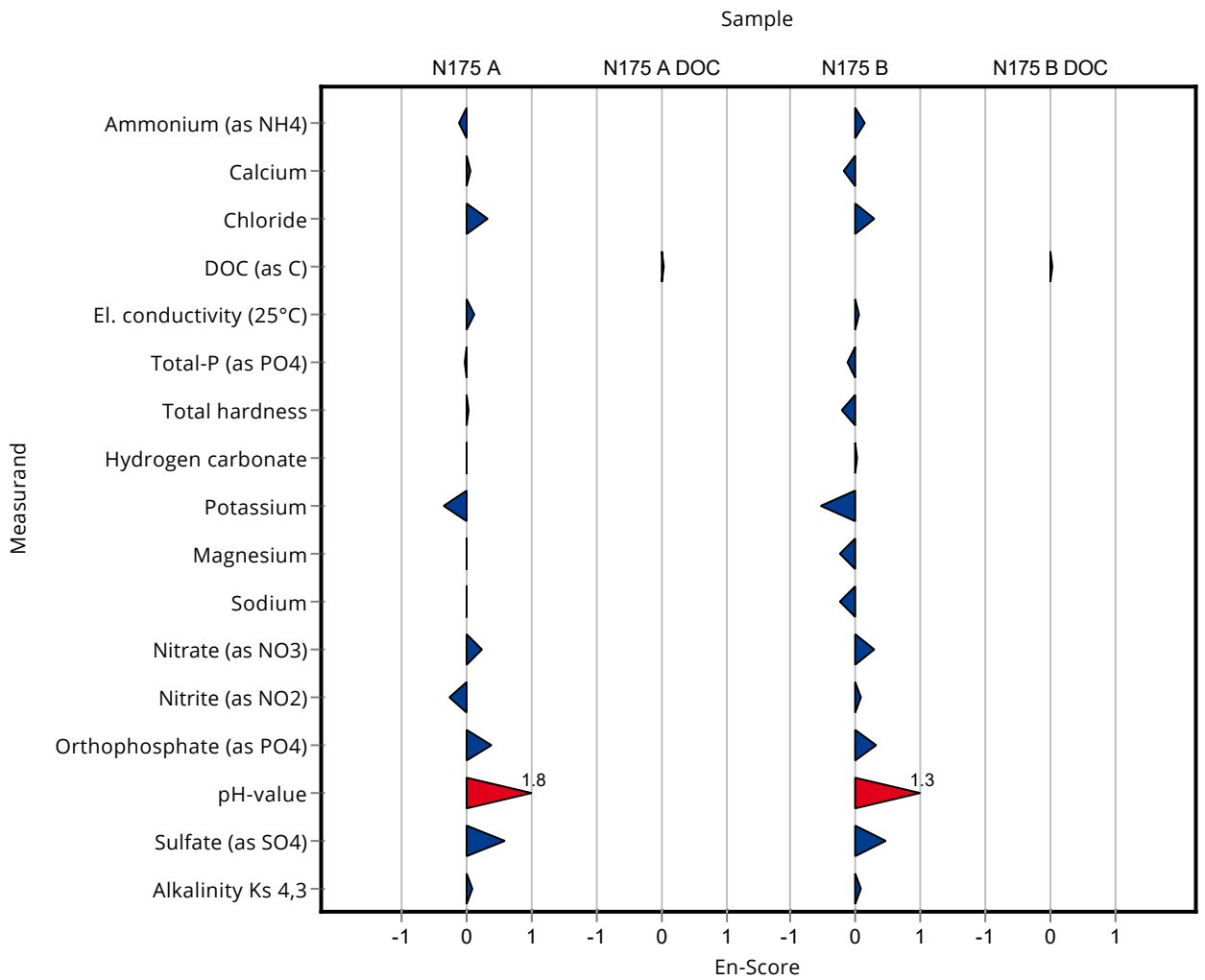
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.5 ± 0.28	0.193	101	0.03

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.33 ± 0.075	0.0369	107	0.15
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	64.4 ± 8.59	2.09	95.5	-0.17
Chloride	mg/l	29.3 ± 0.251	30.7 ± 2.56	1.17	105	0.28
El. conductivity (25°C)	µS/cm	533 ± 1.36	536.8 ± 30.4	6.93	101	0.06
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	2.085 ± 0.334	0.162	96.3	-0.12
Total hardness	mmol/l	2.34 ± 0.0174	2.206 ± 0.294	0.0701	94.4	-0.22
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	220.8 ± 11.4	4.41	100	0.01
Potassium	mg/l	2.58 ± 0.0293	2.2 ± 0.36	0.134	85.3	-0.53
Magnesium	mg/l	15.6 ± 0.182	14.6 ± 1.93	0.622	93.9	-0.25
Sodium	mg/l	16.4 ± 0.195	15.1 ± 2.67	0.558	92.1	-0.24
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	24.5 ± 2.07	1.16	105	0.29
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.69 ± 0.074	0.036	102	0.08
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.45 ± 0.124	0.0629	122	0.32
pH-value	-	7.63 ± 0.0362	7.9 ± 0.1	0.153	104	1.32
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	34.1 ± 2.2	1.06	106	0.46
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.669 ± 0.19	0.0728	101	0.08

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.5 ± 0.65	0.346	101	0.03



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	<0.0379 ± -	0.00643	-	-
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	- ± -	5.12	-	-
Chloride	mg/l	102 ± 0.706	100.4 ± 2.39	4.07	98.7	-0.32
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1166 ± 13.99	15.1	100	0.17
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	- ± -	0.0121	-	-
Total hardness	mmol/l	5.74 ± 0.0381	- ± -	0.172	-	-
Total nitrogen	mg/l	2.96 ± 0.0892	2.815 ± 0.0814	0.246	95	-0.61
Hydrogen carbonate	mg/l	450 ± 1.44	447.87 ± 21.63	8.99	99.6	-0.19
Potassium	mg/l	2.56 ± 0.0428	- ± -	0.133	-	-
Magnesium	mg/l	38.6 ± 0.337	- ± -	1.55	-	-
Sodium	mg/l	26.5 ± 0.22	- ± -	0.899	-	-
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12.2 ± 0.227	0.629	96.9	-0.61
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.03749 ± 0.000675	0.00298	98.2	-0.23
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.0877 ± 0.00345	0.0121	101	0.09
pH-value	-	7.54 ± 0.0389	7.68 ± 0.024	0.151	102	0.92
Sulfate (as SO ₄)	mg/l	106 ± 0.909	107.7 ± 2.47	3.49	102	0.53
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.39 ± 0.357	0.148	100	-0.01

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.321 ± 0.0382	0.193	89.2	-0.83

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.298 ± 0.00775	0.0369	97	-0.25
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	- ± -	2.09	-	-
Chloride	mg/l	29.3 ± 0.251	29.41 ± 0.7	1.17	100	0.12
El. conductivity (25°C)	µS/cm	533 ± 1.36	532.4 ± 7.45	6.93	99.8	-0.12

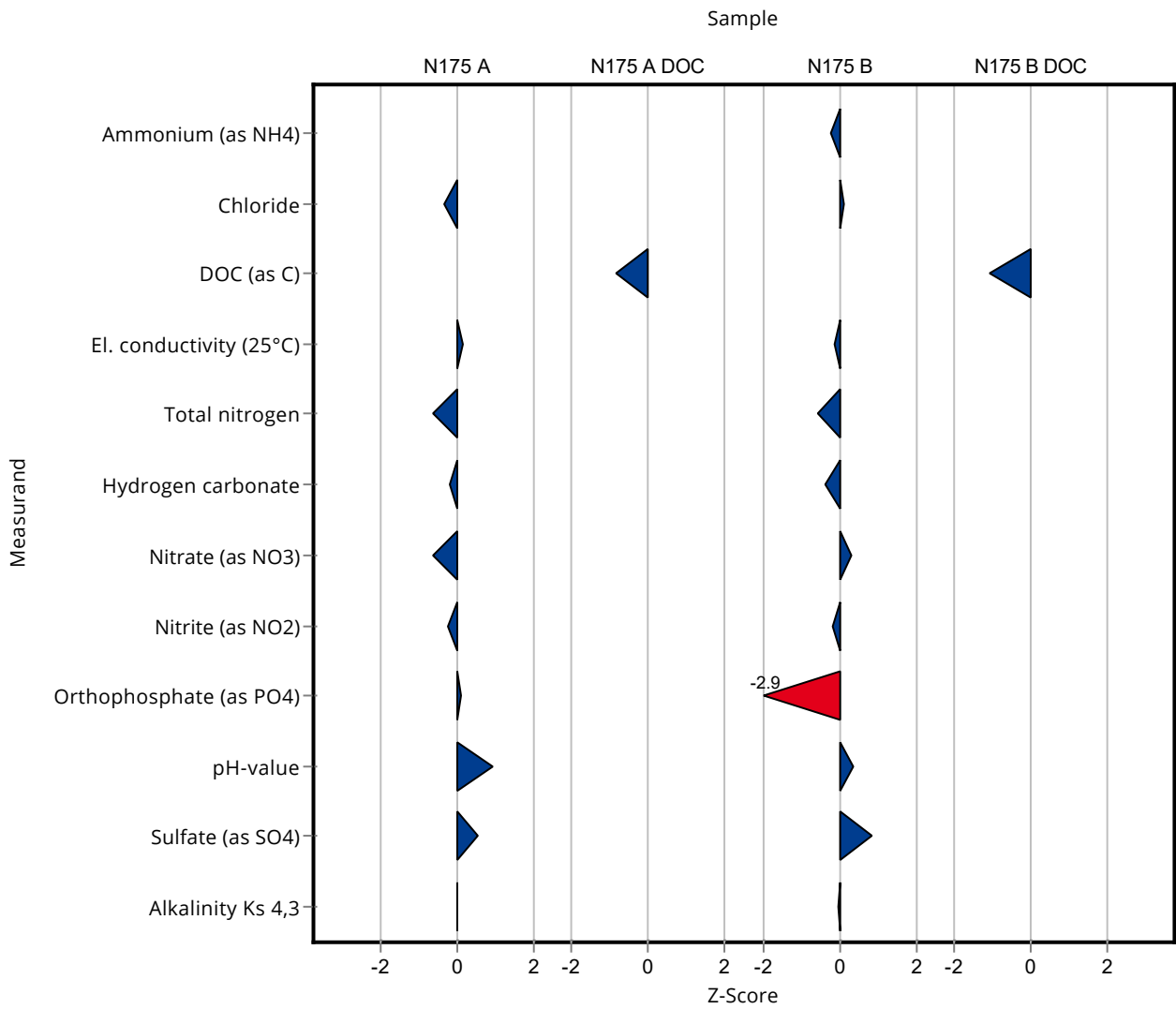
Summary of results Nutrients/Major Ions N175

Labcode: LC0030

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	- ± -	0.162	-	-
Total hardness	mmol/l	2.34 ± 0.0174	- ± -	0.0701	-	-
Total nitrogen	mg/l	5.8 ± 0.138	5.52 ± 0.159	0.482	95.1	-0.59
Hydrogen carbonate	mg/l	220 ± 0.967	218.75 ± 10.57	4.41	99.2	-0.39
Potassium	mg/l	2.58 ± 0.0293	- ± -	0.134	-	-
Magnesium	mg/l	15.6 ± 0.182	- ± -	0.622	-	-
Sodium	mg/l	16.4 ± 0.195	- ± -	0.558	-	-
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	23.65 ± 0.44	1.16	102	0.32
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.6726 ± 0.01211	0.036	99.1	-0.16
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.1905 ± 0.00749	0.0629	51.4	-2.86
pH-value	-	7.63 ± 0.0362	7.69 ± 0.024	0.153	101	0.38
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	32.94 ± 0.754	1.06	103	0.82
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.635 ± 0.176	0.0728	99.9	-0.06

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.092 ± 0.0894	0.346	89.3	-1.07



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	<0.0379 ± -	0.00643	-	-
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	- ± -	5.12	-	-
Chloride	mg/l	102 ± 0.706	100.4 ± 2.39	4.07	98.7	-0.27
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1166 ± 13.99	15.1	100	0.09
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	- ± -	0.0121	-	-
Total hardness	mmol/l	5.74 ± 0.0381	- ± -	0.172	-	-
Total nitrogen	mg/l	2.96 ± 0.0892	2.815 ± 0.0814	0.246	95	-0.80
Hydrogen carbonate	mg/l	450 ± 1.44	447.87 ± 21.63	8.99	99.6	-0.04
Potassium	mg/l	2.56 ± 0.0428	- ± -	0.133	-	-
Magnesium	mg/l	38.6 ± 0.337	- ± -	1.55	-	-
Sodium	mg/l	26.5 ± 0.22	- ± -	0.899	-	-
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12.2 ± 0.227	0.629	96.9	-0.81
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.03749 ± 0.000675	0.00298	98.2	-0.41
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.0877 ± 0.00345	0.0121	101	0.14
pH-value	-	7.54 ± 0.0389	7.68 ± 0.024	0.151	102	2.25
Sulfate (as SO ₄)	mg/l	106 ± 0.909	107.7 ± 2.47	3.49	102	0.37
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.39 ± 0.357	0.148	100	0.00

Sample: N175ADOC

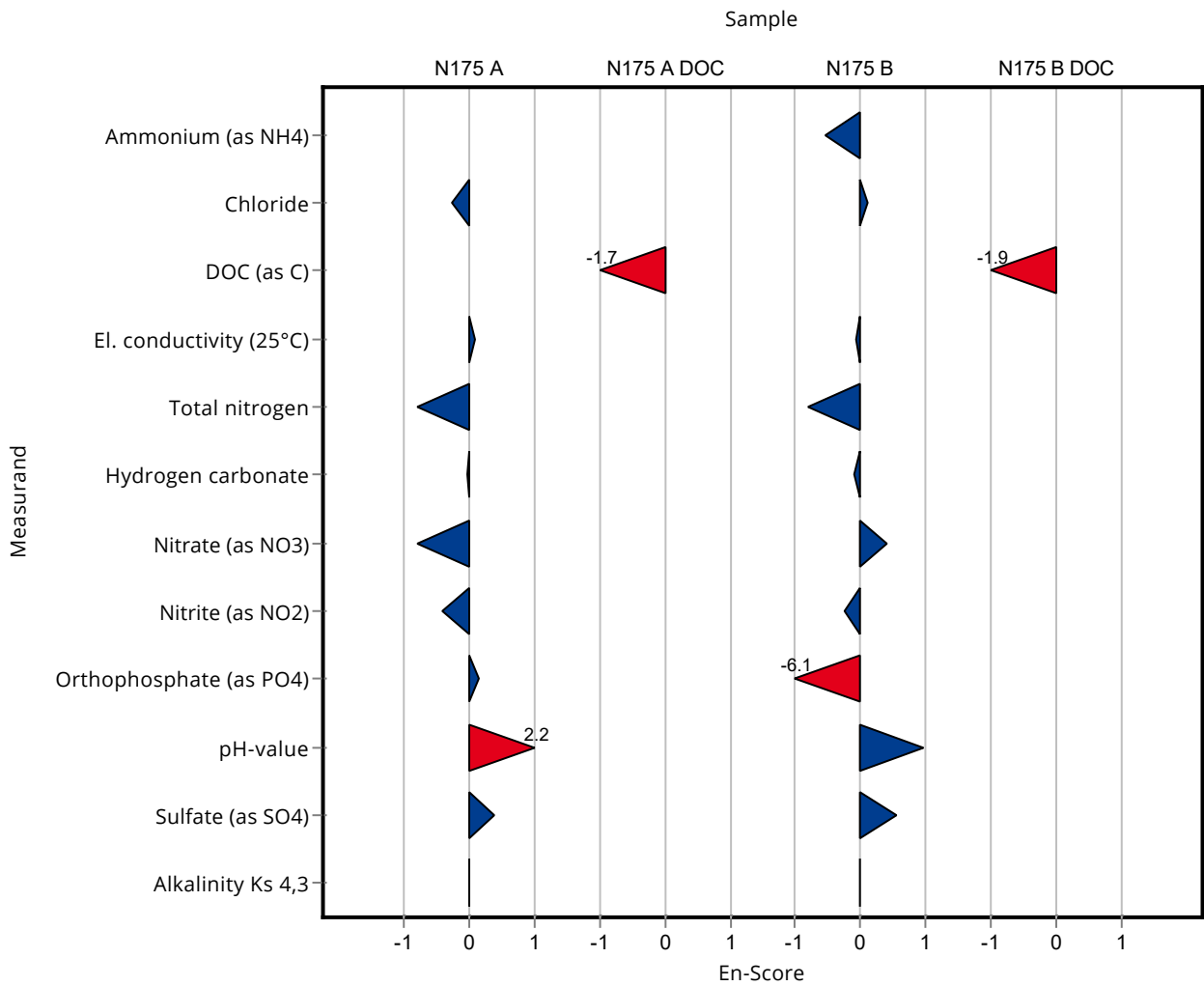
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.321 ± 0.0382	0.193	89.2	-1.66

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.298 ± 0.00775	0.0369	97	-0.55
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	- ± -	2.09	-	-
Chloride	mg/l	29.3 ± 0.251	29.41 ± 0.7	1.17	100	0.10
El. conductivity (25°C)	µS/cm	533 ± 1.36	532.4 ± 7.45	6.93	99.8	-0.06
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	- ± -	0.162	-	-
Total hardness	mmol/l	2.34 ± 0.0174	- ± -	0.0701	-	-
Total nitrogen	mg/l	5.8 ± 0.138	5.52 ± 0.159	0.482	95.1	-0.82
Hydrogen carbonate	mg/l	220 ± 0.967	218.75 ± 10.57	4.41	99.2	-0.08
Potassium	mg/l	2.58 ± 0.0293	- ± -	0.134	-	-
Magnesium	mg/l	15.6 ± 0.182	- ± -	0.622	-	-
Sodium	mg/l	16.4 ± 0.195	- ± -	0.558	-	-
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	23.65 ± 0.44	1.16	102	0.41
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.6726 ± 0.01211	0.036	99.1	-0.23
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.1905 ± 0.00749	0.0629	51.4	-6.11
pH-value	-	7.63 ± 0.0362	7.69 ± 0.024	0.153	101	0.95
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	32.94 ± 0.754	1.06	103	0.57
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.635 ± 0.176	0.0728	99.9	-0.01

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.092 ± 0.0894	0.346	89.3	-1.87



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	- ± -	0.00643	-	-
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	- ± -	5.12	-	-
Chloride	mg/l	102 ± 0.706	- ± -	4.07	-	-
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1150 ± 26	15.1	98.9	-0.88
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	- ± -	0.0121	-	-
Total hardness	mmol/l	5.74 ± 0.0381	- ± -	0.172	-	-
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	450 ± 10	8.99	100	0.05
Potassium	mg/l	2.56 ± 0.0428	- ± -	0.133	-	-
Magnesium	mg/l	38.6 ± 0.337	- ± -	1.55	-	-
Sodium	mg/l	26.5 ± 0.22	- ± -	0.899	-	-
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	- ± -	0.629	-	-
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.034 ± 0.004	0.00298	89.1	-1.40
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	- ± -	0.0121	-	-
pH-value	-	7.54 ± 0.0389	7.56 ± 0.05	0.151	100	0.12
Sulfate (as SO ₄)	mg/l	106 ± 0.909	- ± -	3.49	-	-
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.37 ± 0.14	0.148	99.7	-0.14

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	- ± -	0.193	-	-

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	- ± -	0.0369	-	-
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	- ± -	2.09	-	-
Chloride	mg/l	29.3 ± 0.251	- ± -	1.17	-	-
El. conductivity (25°C)	µS/cm	533 ± 1.36	523 ± 12	6.93	98.1	-1.48

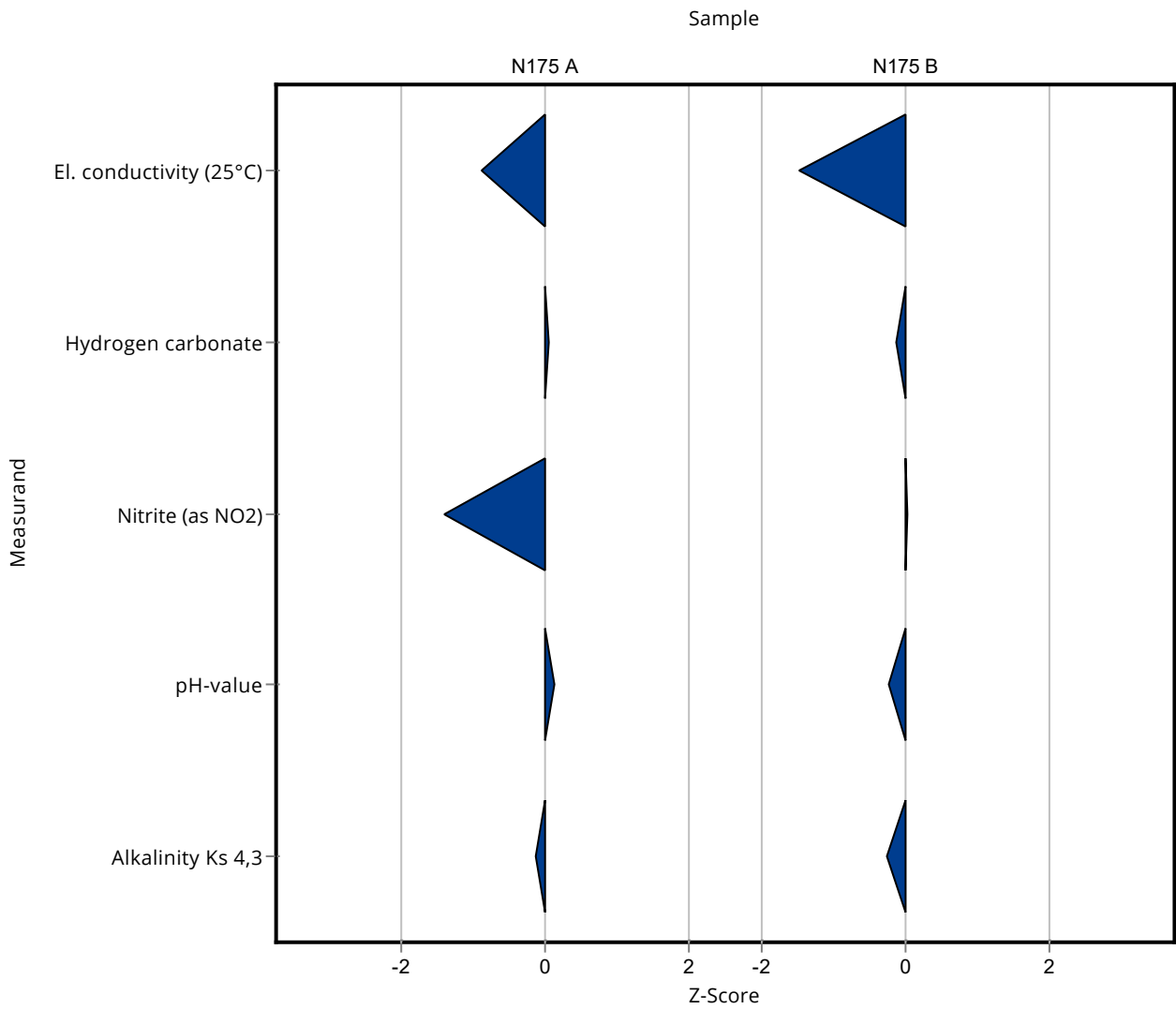
Summary of results Nutrients/Major Ions N175

Labcode: LC0031

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	- ± -	0.162	-	-
Total hardness	mmol/l	2.34 ± 0.0174	- ± -	0.0701	-	-
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	220 ± 5	4.41	99.8	-0.11
Potassium	mg/l	2.58 ± 0.0293	- ± -	0.134	-	-
Magnesium	mg/l	15.6 ± 0.182	- ± -	0.622	-	-
Sodium	mg/l	16.4 ± 0.195	- ± -	0.558	-	-
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	- ± -	1.16	-	-
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.68 ± 0.08	0.036	100	0.04
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	- ± -	0.0629	-	-
pH-value	-	7.63 ± 0.0362	7.6 ± 0.05	0.153	99.6	-0.21
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	- ± -	1.06	-	-
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.62 ± 0.07	0.0728	99.5	-0.26

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	- ± -	0.346	-	-



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	- ± -	0.00643	-	-
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	- ± -	5.12	-	-
Chloride	mg/l	102 ± 0.706	- ± -	4.07	-	-
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1150 ± 26	15.1	98.9	-0.26
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	- ± -	0.0121	-	-
Total hardness	mmol/l	5.74 ± 0.0381	- ± -	0.172	-	-
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	450 ± 10	8.99	100	0.02
Potassium	mg/l	2.56 ± 0.0428	- ± -	0.133	-	-
Magnesium	mg/l	38.6 ± 0.337	- ± -	1.55	-	-
Sodium	mg/l	26.5 ± 0.22	- ± -	0.899	-	-
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	- ± -	0.629	-	-
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.034 ± 0.004	0.00298	89.1	-0.52
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	- ± -	0.0121	-	-
pH-value	-	7.54 ± 0.0389	7.56 ± 0.05	0.151	100	0.17
Sulfate (as SO ₄)	mg/l	106 ± 0.909	- ± -	3.49	-	-
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.37 ± 0.14	0.148	99.7	-0.08

Sample: N175ADOC

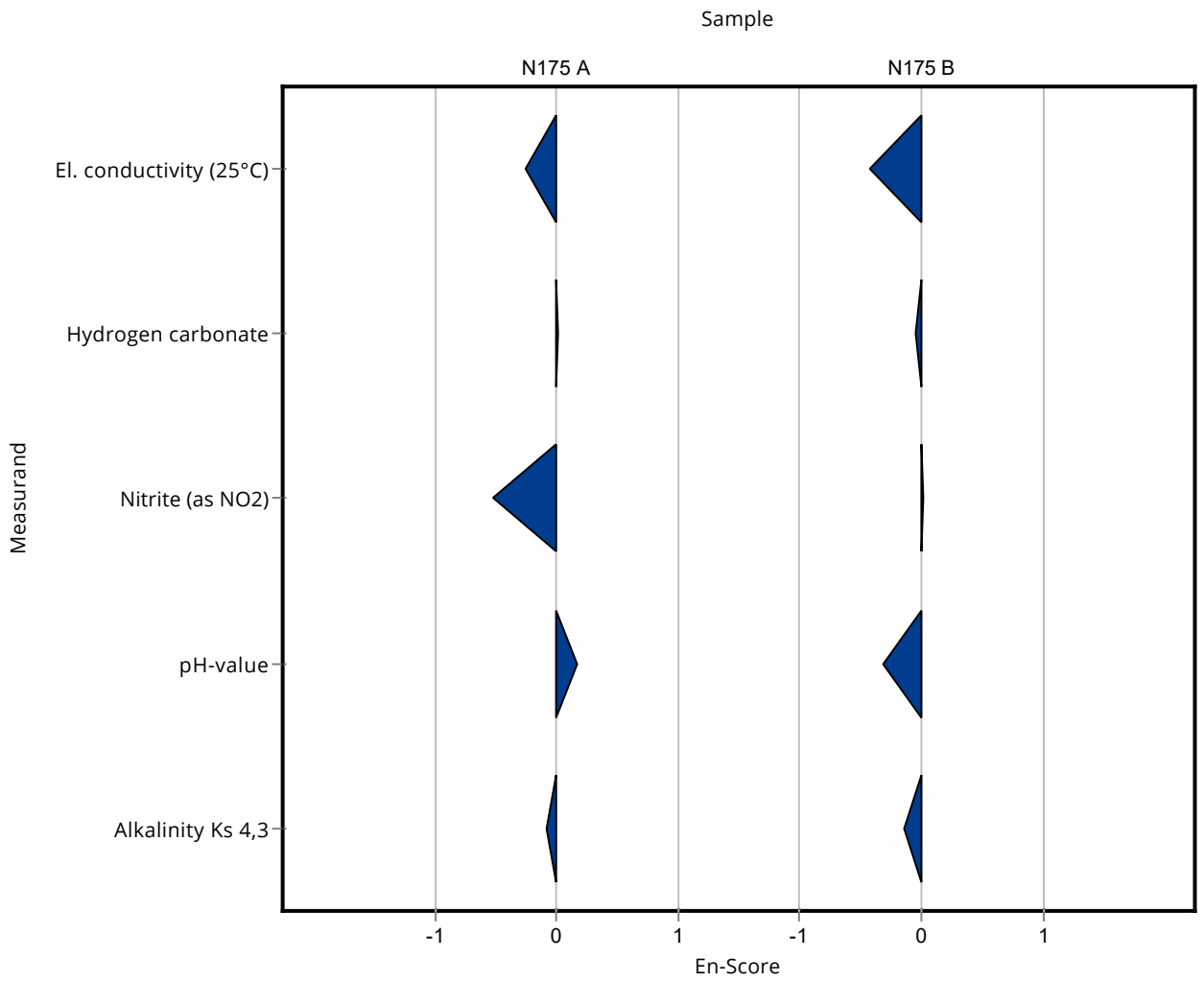
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	- ± -	0.193	-	-

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	- ± -	0.0369	-	-
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	- ± -	2.09	-	-
Chloride	mg/l	29.3 ± 0.251	- ± -	1.17	-	-
El. conductivity (25°C)	µS/cm	533 ± 1.36	523 ± 12	6.93	98.1	-0.43
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	- ± -	0.162	-	-
Total hardness	mmol/l	2.34 ± 0.0174	- ± -	0.0701	-	-
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	220 ± 5	4.41	99.8	-0.05
Potassium	mg/l	2.58 ± 0.0293	- ± -	0.134	-	-
Magnesium	mg/l	15.6 ± 0.182	- ± -	0.622	-	-
Sodium	mg/l	16.4 ± 0.195	- ± -	0.558	-	-
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	- ± -	1.16	-	-
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.68 ± 0.08	0.036	100	0.01
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	- ± -	0.0629	-	-
pH-value	-	7.63 ± 0.0362	7.6 ± 0.05	0.153	99.6	-0.31
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	- ± -	1.06	-	-
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.62 ± 0.07	0.0728	99.5	-0.14

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	- ± -	0.346	-	-



Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	- ± -	0.00643	-	-
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	- ± -	5.12	-	-
Chloride	mg/l	102 ± 0.706	- ± -	4.07	-	-
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1173 ± 35.2	15.1	101	0.64
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	- ± -	0.0121	-	-
Total hardness	mmol/l	5.74 ± 0.0381	- ± -	0.172	-	-
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	- ± -	8.99	-	-
Potassium	mg/l	2.56 ± 0.0428	- ± -	0.133	-	-
Magnesium	mg/l	38.6 ± 0.337	- ± -	1.55	-	-
Sodium	mg/l	26.5 ± 0.22	- ± -	0.899	-	-
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	- ± -	0.629	-	-
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	- ± -	0.00298	-	-
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	- ± -	0.0121	-	-
pH-value	-	7.54 ± 0.0389	7.79 ± 0.23	0.151	103	1.65
Sulfate (as SO ₄)	mg/l	106 ± 0.909	- ± -	3.49	-	-
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.07 ± 0.42	0.148	95.7	-2.17

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.57 ± 0.15	0.193	106	0.46

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	- ± -	0.0369	-	-
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	- ± -	2.09	-	-
Chloride	mg/l	29.3 ± 0.251	- ± -	1.17	-	-
El. conductivity (25°C)	µS/cm	533 ± 1.36	539 ± 16.2	6.93	101	0.83

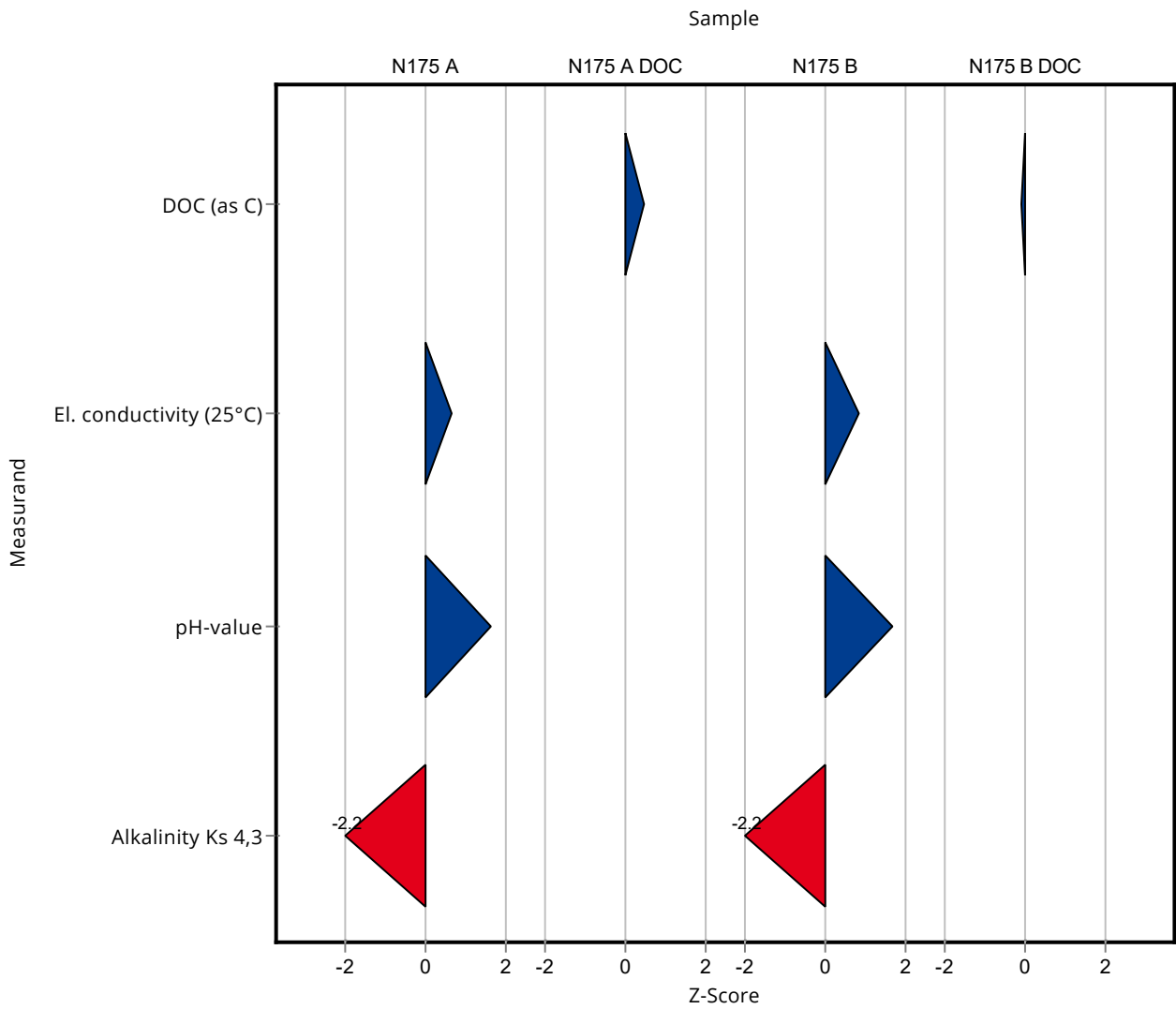
Summary of results Nutrients/Major Ions N175

Labcode: LC0032

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	- ± -	0.162	-	-
Total hardness	mmol/l	2.34 ± 0.0174	- ± -	0.0701	-	-
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	- ± -	4.41	-	-
Potassium	mg/l	2.58 ± 0.0293	- ± -	0.134	-	-
Magnesium	mg/l	15.6 ± 0.182	- ± -	0.622	-	-
Sodium	mg/l	16.4 ± 0.195	- ± -	0.558	-	-
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	- ± -	1.16	-	-
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	- ± -	0.036	-	-
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	- ± -	0.0629	-	-
pH-value	-	7.63 ± 0.0362	7.89 ± 0.24	0.153	103	1.69
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	- ± -	1.06	-	-
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.48 ± 0.21	0.0728	95.6	-2.19

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.44 ± 0.33	0.346	99.4	-0.06



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	- ± -	0.00643	-	-
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	- ± -	5.12	-	-
Chloride	mg/l	102 ± 0.706	- ± -	4.07	-	-
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1173 ± 35.2	15.1	101	0.14
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	- ± -	0.0121	-	-
Total hardness	mmol/l	5.74 ± 0.0381	- ± -	0.172	-	-
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	- ± -	8.99	-	-
Potassium	mg/l	2.56 ± 0.0428	- ± -	0.133	-	-
Magnesium	mg/l	38.6 ± 0.337	- ± -	1.55	-	-
Sodium	mg/l	26.5 ± 0.22	- ± -	0.899	-	-
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	- ± -	0.629	-	-
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	- ± -	0.00298	-	-
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	- ± -	0.0121	-	-
pH-value	-	7.54 ± 0.0389	7.79 ± 0.23	0.151	103	0.54
Sulfate (as SO ₄)	mg/l	106 ± 0.909	- ± -	3.49	-	-
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.07 ± 0.42	0.148	95.7	-0.38

Sample: N175ADOC

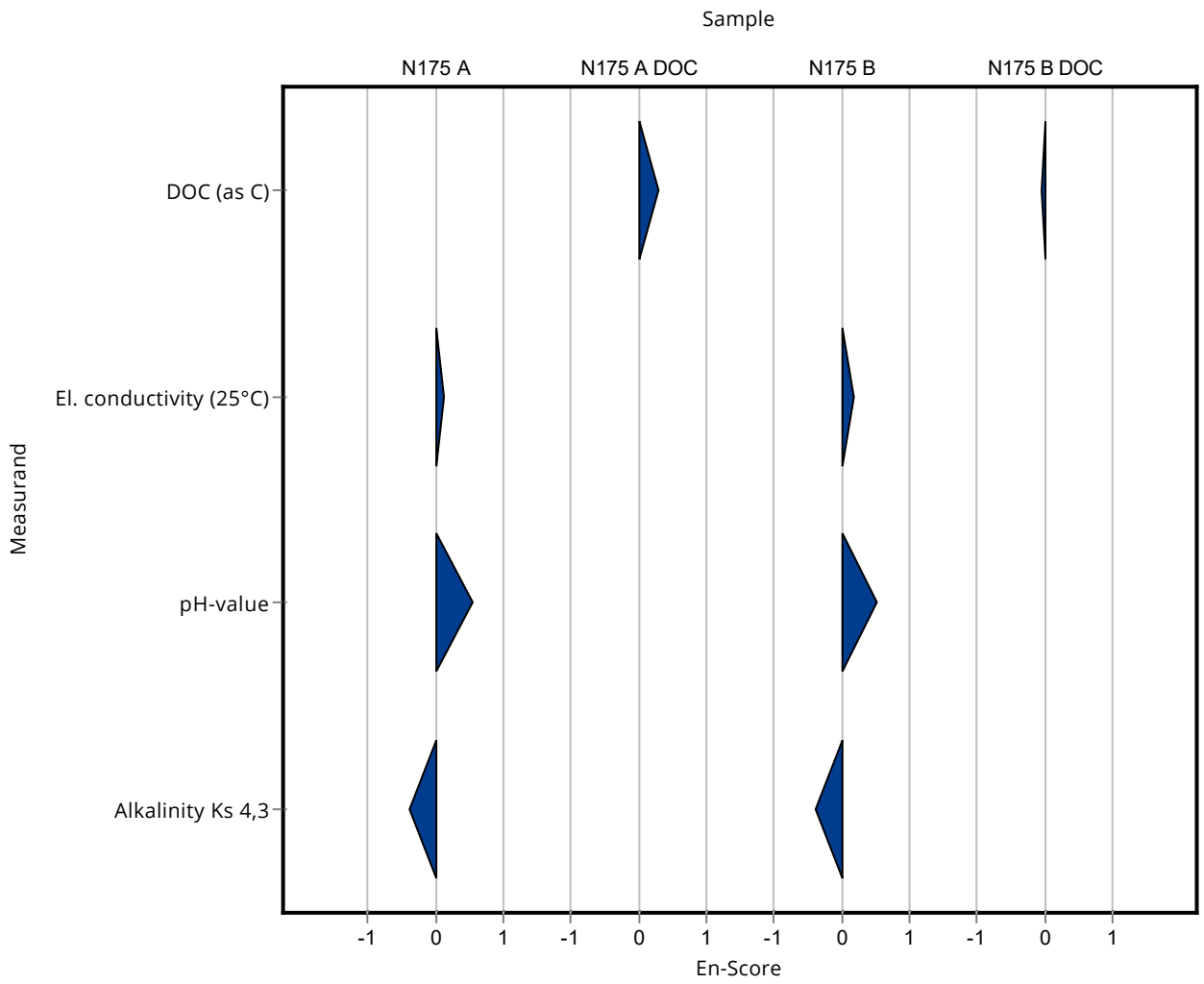
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.57 ± 0.15	0.193	106	0.29

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	- ± -	0.0369	-	-
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	- ± -	2.09	-	-
Chloride	mg/l	29.3 ± 0.251	- ± -	1.17	-	-
El. conductivity (25°C)	µS/cm	533 ± 1.36	539 ± 16.2	6.93	101	0.18
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	- ± -	0.162	-	-
Total hardness	mmol/l	2.34 ± 0.0174	- ± -	0.0701	-	-
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	- ± -	4.41	-	-
Potassium	mg/l	2.58 ± 0.0293	- ± -	0.134	-	-
Magnesium	mg/l	15.6 ± 0.182	- ± -	0.622	-	-
Sodium	mg/l	16.4 ± 0.195	- ± -	0.558	-	-
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	- ± -	1.16	-	-
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	- ± -	0.036	-	-
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	- ± -	0.0629	-	-
pH-value	-	7.63 ± 0.0362	7.89 ± 0.24	0.153	103	0.53
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	- ± -	1.06	-	-
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.48 ± 0.21	0.0728	95.6	-0.38

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.44 ± 0.33	0.346	99.4	-0.03



Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.0279 ± 0.005	0.00643	82.4	-0.93
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	165.65 ± 6.46	5.12	100	0.09
Chloride	mg/l	102 ± 0.706	100.58 ± 4.73	4.07	98.9	-0.28
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1156 ± 25.4	15.1	99.4	-0.49
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	- ± -	0.0121	-	-
Total hardness	mmol/l	5.74 ± 0.0381	5.73 ± 0.23	0.172	99.9	-0.04
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	443.32 ± 9.31	8.99	98.6	-0.70
Potassium	mg/l	2.56 ± 0.0428	2.56 ± 0.16	0.133	99.8	-0.03
Magnesium	mg/l	38.6 ± 0.337	38.82 ± 1.82	1.55	100	0.12
Sodium	mg/l	26.5 ± 0.22	26.57 ± 1.28	0.899	100	0.13
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	11.81 ± 0.79	0.629	93.8	-1.23
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.0376 ± 0.003	0.00298	98.5	-0.19
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	- ± -	0.0121	-	-
pH-value	-	7.54 ± 0.0389	7.59 ± 0.3	0.151	101	0.32
Sulfate (as SO ₄)	mg/l	106 ± 0.909	106.71 ± 5.34	3.49	101	0.25
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.32 ± 0.15	0.148	99	-0.48

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.357 ± 0.24	0.193	91.6	-0.65

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.2994 ± 0.057	0.0369	97.5	-0.21
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	66.52 ± 2.59	2.09	98.7	-0.42
Chloride	mg/l	29.3 ± 0.251	29.72 ± 1.4	1.17	102	0.39
El. conductivity (25°C)	µS/cm	533 ± 1.36	530 ± 11.7	6.93	99.4	-0.47

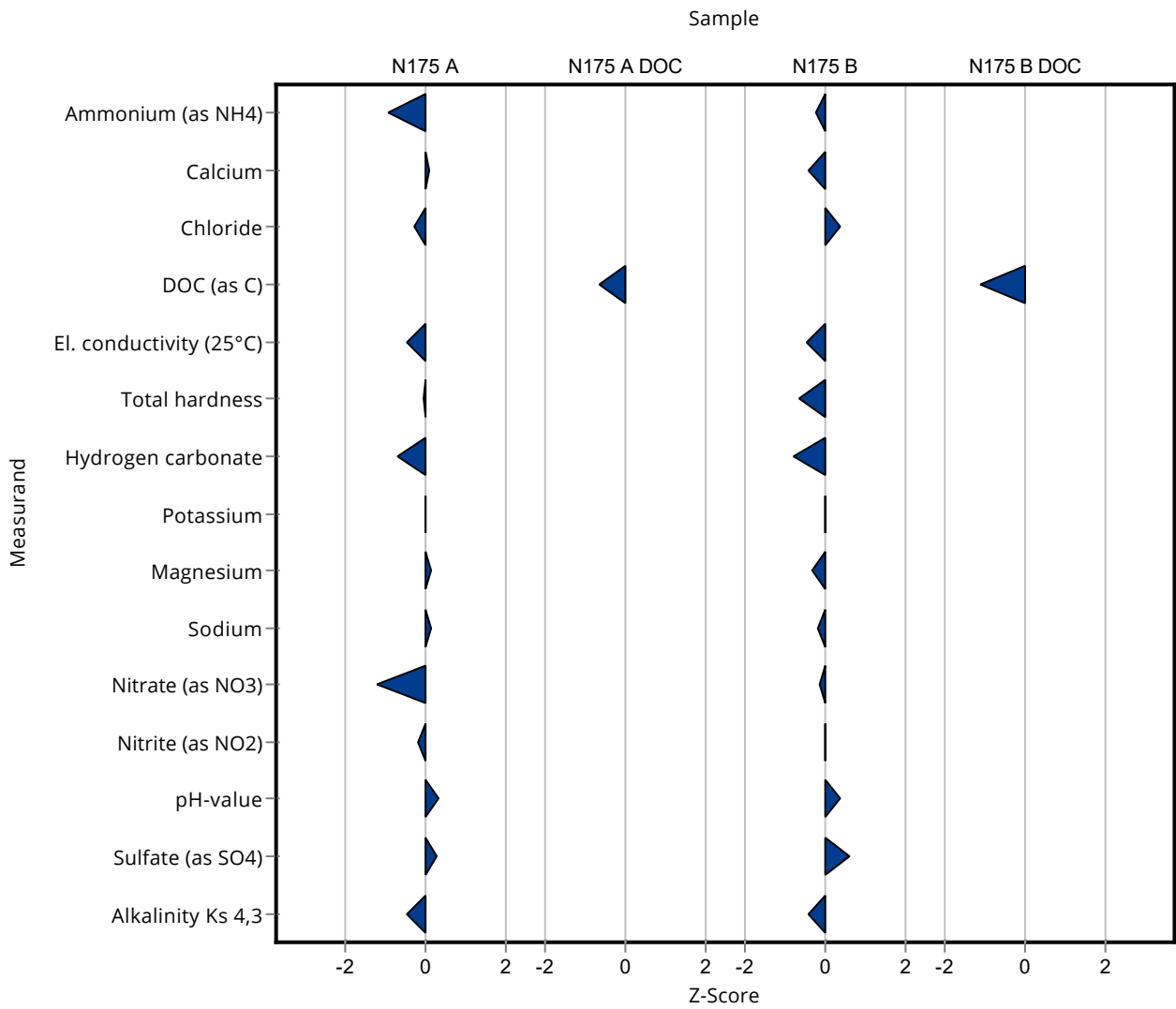
Summary of results Nutrients/Major Ions N175

Labcode: LC0033

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	- ± -	0.162	-	-
Total hardness	mmol/l	2.34 ± 0.0174	2.291 ± 0.09	0.0701	98	-0.66
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	217.09 ± 4.56	4.41	98.5	-0.77
Potassium	mg/l	2.58 ± 0.0293	2.58 ± 0.17	0.134	100	0.01
Magnesium	mg/l	15.6 ± 0.182	15.34 ± 0.72	0.622	98.6	-0.35
Sodium	mg/l	16.4 ± 0.195	16.29 ± 0.78	0.558	99.3	-0.20
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	23.12 ± 1.55	1.16	99.3	-0.14
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.6778 ± 0.047	0.036	99.9	-0.02
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	- ± -	0.0629	-	-
pH-value	-	7.63 ± 0.0362	7.69 ± 0.31	0.153	101	0.38
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	32.74 ± 1.64	1.06	102	0.63
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.61 ± 0.08	0.0728	99.2	-0.40

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.083 ± 0.54	0.346	89	-1.10



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.0279 ± 0.005	0.00643	82.4	-0.58
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	165.65 ± 6.46	5.12	100	0.04
Chloride	mg/l	102 ± 0.706	100.58 ± 4.73	4.07	98.9	-0.12
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1156 ± 25.4	15.1	99.4	-0.14
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	- ± -	0.0121	-	-
Total hardness	mmol/l	5.74 ± 0.0381	5.73 ± 0.23	0.172	99.9	-0.01
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	443.32 ± 9.31	8.99	98.6	-0.33
Potassium	mg/l	2.56 ± 0.0428	2.56 ± 0.16	0.133	99.8	-0.01
Magnesium	mg/l	38.6 ± 0.337	38.82 ± 1.82	1.55	100	0.05
Sodium	mg/l	26.5 ± 0.22	26.57 ± 1.28	0.899	100	0.04
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	11.81 ± 0.79	0.629	93.8	-0.49
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.0376 ± 0.003	0.00298	98.5	-0.10
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	- ± -	0.0121	-	-
pH-value	-	7.54 ± 0.0389	7.59 ± 0.3	0.151	101	0.08
Sulfate (as SO ₄)	mg/l	106 ± 0.909	106.71 ± 5.34	3.49	101	0.08
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.32 ± 0.15	0.148	99	-0.24

Sample: N175ADOC

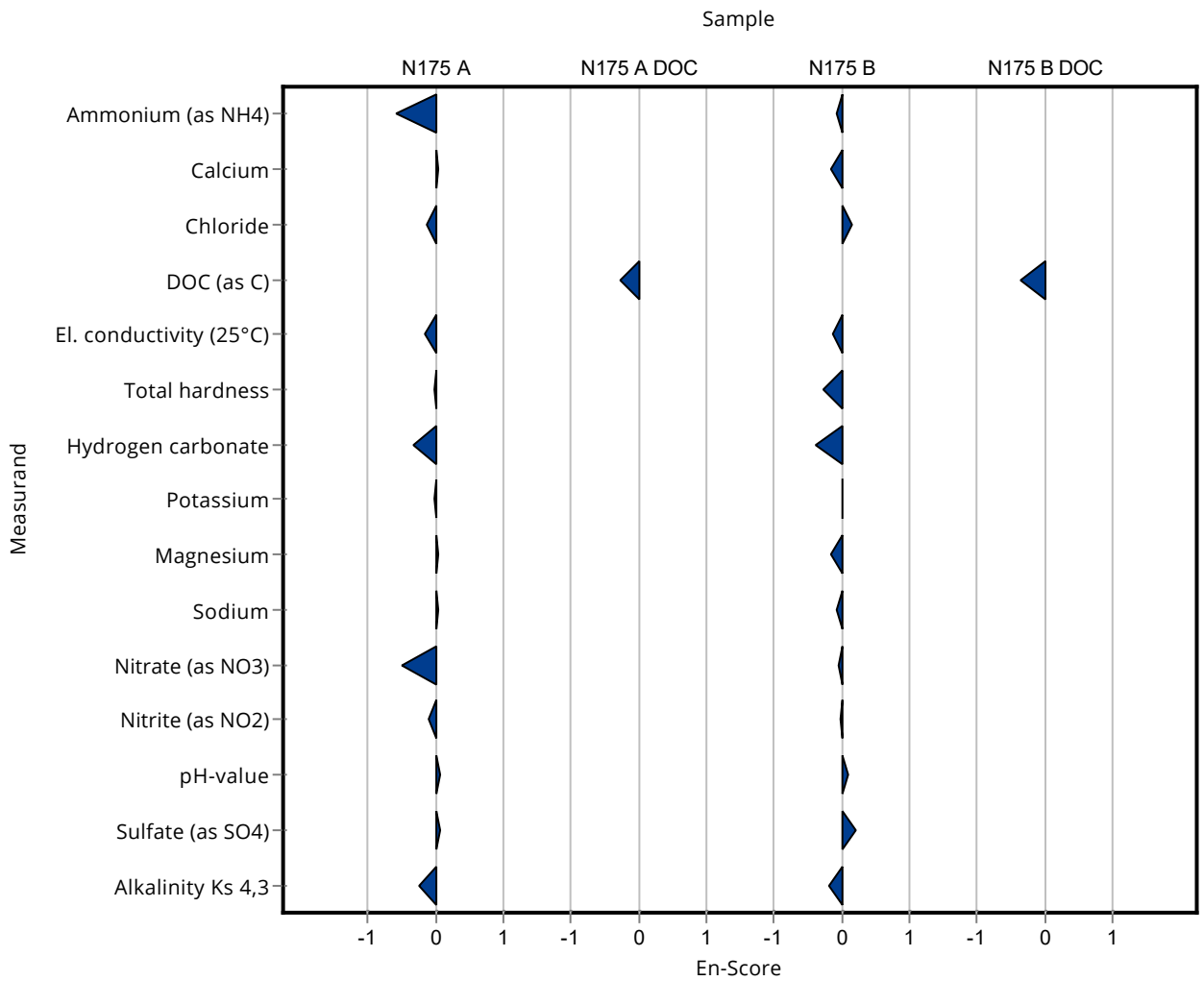
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.357 ± 0.24	0.193	91.6	-0.26

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.2994 ± 0.057	0.0369	97.5	-0.07
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	66.52 ± 2.59	2.09	98.7	-0.17
Chloride	mg/l	29.3 ± 0.251	29.72 ± 1.4	1.17	102	0.16
El. conductivity (25°C)	µS/cm	533 ± 1.36	530 ± 11.7	6.93	99.4	-0.14
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	- ± -	0.162	-	-
Total hardness	mmol/l	2.34 ± 0.0174	2.291 ± 0.09	0.0701	98	-0.26
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	217.09 ± 4.56	4.41	98.5	-0.37
Potassium	mg/l	2.58 ± 0.0293	2.58 ± 0.17	0.134	100	0.00
Magnesium	mg/l	15.6 ± 0.182	15.34 ± 0.72	0.622	98.6	-0.15
Sodium	mg/l	16.4 ± 0.195	16.29 ± 0.78	0.558	99.3	-0.07
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	23.12 ± 1.55	1.16	99.3	-0.05
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.6778 ± 0.047	0.036	99.9	-0.01
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	- ± -	0.0629	-	-
pH-value	-	7.63 ± 0.0362	7.69 ± 0.31	0.153	101	0.09
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	32.74 ± 1.64	1.06	102	0.20
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.61 ± 0.08	0.0728	99.2	-0.18

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.083 ± 0.54	0.346	89	-0.35



Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	<0.012 (LOQ) ± -	0.00643	-	-
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	- ± -	5.12	-	-
Chloride	mg/l	102 ± 0.706	102.251 ± 13.374	4.07	101	0.13
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1175 ± 58.75	15.1	101	0.77
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.145 ± 0.017	0.0121	89.8	-1.36
Total hardness	mmol/l	5.74 ± 0.0381	- ± -	0.172	-	-
Total nitrogen	mg/l	2.96 ± 0.0892	2.677 ± 0.382	0.246	90.3	-1.17
Hydrogen carbonate	mg/l	450 ± 1.44	- ± -	8.99	-	-
Potassium	mg/l	2.56 ± 0.0428	- ± -	0.133	-	-
Magnesium	mg/l	38.6 ± 0.337	- ± -	1.55	-	-
Sodium	mg/l	26.5 ± 0.22	- ± -	0.899	-	-
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12.531 ± 0.555	0.629	99.6	-0.09
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	<0.016 (LOQ) ± -	0.00298	-	-
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.075 ± 0.013	0.0121	86.6	-0.95
pH-value	-	7.54 ± 0.0389	7.5 ± 0.75	0.151	99.5	-0.27
Sulfate (as SO ₄)	mg/l	106 ± 0.909	106.575 ± 6.49	3.49	101	0.21
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	- ± -	0.148	-	-

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.432 ± 0.258	0.193	96.7	-0.26

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.298 ± 0.069	0.0369	97	-0.25
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	- ± -	2.09	-	-
Chloride	mg/l	29.3 ± 0.251	29.251 ± 3.826	1.17	99.9	-0.01
El. conductivity (25°C)	µS/cm	533 ± 1.36	535 ± 26.75	6.93	100	0.25

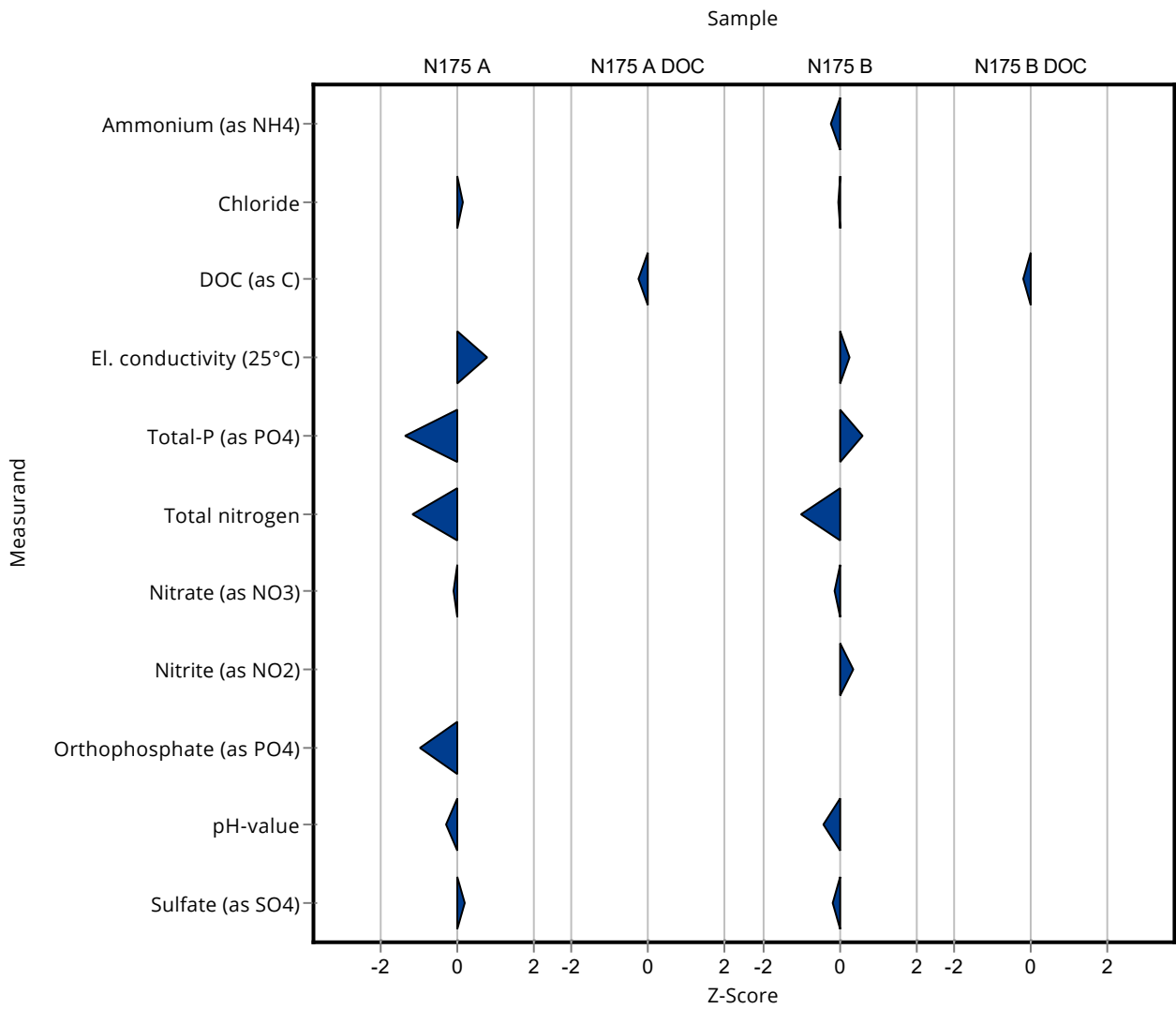
Summary of results Nutrients/Major Ions N175

Labcode: LC0034

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO4)	mg/l	2.17 ± 0.0523	2.261 ± 0.271	0.162	104	0.59
Total hardness	mmol/l	2.34 ± 0.0174	- ± -	0.0701	-	-
Total nitrogen	mg/l	5.8 ± 0.138	5.324 ± 0.76	0.482	91.7	-1.00
Hydrogen carbonate	mg/l	220 ± 0.967	- ± -	4.41	-	-
Potassium	mg/l	2.58 ± 0.0293	- ± -	0.134	-	-
Magnesium	mg/l	15.6 ± 0.182	- ± -	0.622	-	-
Sodium	mg/l	16.4 ± 0.195	- ± -	0.558	-	-
Nitrate (as NO3)	mg/l	23.3 ± 0.218	23.143 ± 1.025	1.16	99.4	-0.12
Nitrite (as NO2)	mg/l	0.678 ± 0.00681	0.692 ± 0.194	0.036	102	0.38
Orthophosphate (as PO4)	mg/l	0.37 ± 0.0253	<0.015 (LOQ) ± -	0.0629	-	-
pH-value	-	7.63 ± 0.0362	7.57 ± 0.757	0.153	99.2	-0.41
Sulfate (as SO4)	mg/l	32.1 ± 0.266	31.889 ± 1.942	1.06	99.4	-0.17
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	- ± -	0.0728	-	-

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.392 ± 0.611	0.346	98	-0.20



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	<0.012 (LOQ) ± -	0.00643	-	-
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	- ± -	5.12	-	-
Chloride	mg/l	102 ± 0.706	102.251 ± 13.374	4.07	101	0.02
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1175 ± 58.75	15.1	101	0.10
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.145 ± 0.017	0.0121	89.8	-0.48
Total hardness	mmol/l	5.74 ± 0.0381	- ± -	0.172	-	-
Total nitrogen	mg/l	2.96 ± 0.0892	2.677 ± 0.382	0.246	90.3	-0.37
Hydrogen carbonate	mg/l	450 ± 1.44	- ± -	8.99	-	-
Potassium	mg/l	2.56 ± 0.0428	- ± -	0.133	-	-
Magnesium	mg/l	38.6 ± 0.337	- ± -	1.55	-	-
Sodium	mg/l	26.5 ± 0.22	- ± -	0.899	-	-
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12.531 ± 0.555	0.629	99.6	-0.05
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	<0.016 (LOQ) ± -	0.00298	-	-
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.075 ± 0.013	0.0121	86.6	-0.44
pH-value	-	7.54 ± 0.0389	7.5 ± 0.75	0.151	99.5	-0.03
Sulfate (as SO ₄)	mg/l	106 ± 0.909	106.575 ± 6.49	3.49	101	0.06
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	- ± -	0.148	-	-

Sample: N175ADOC

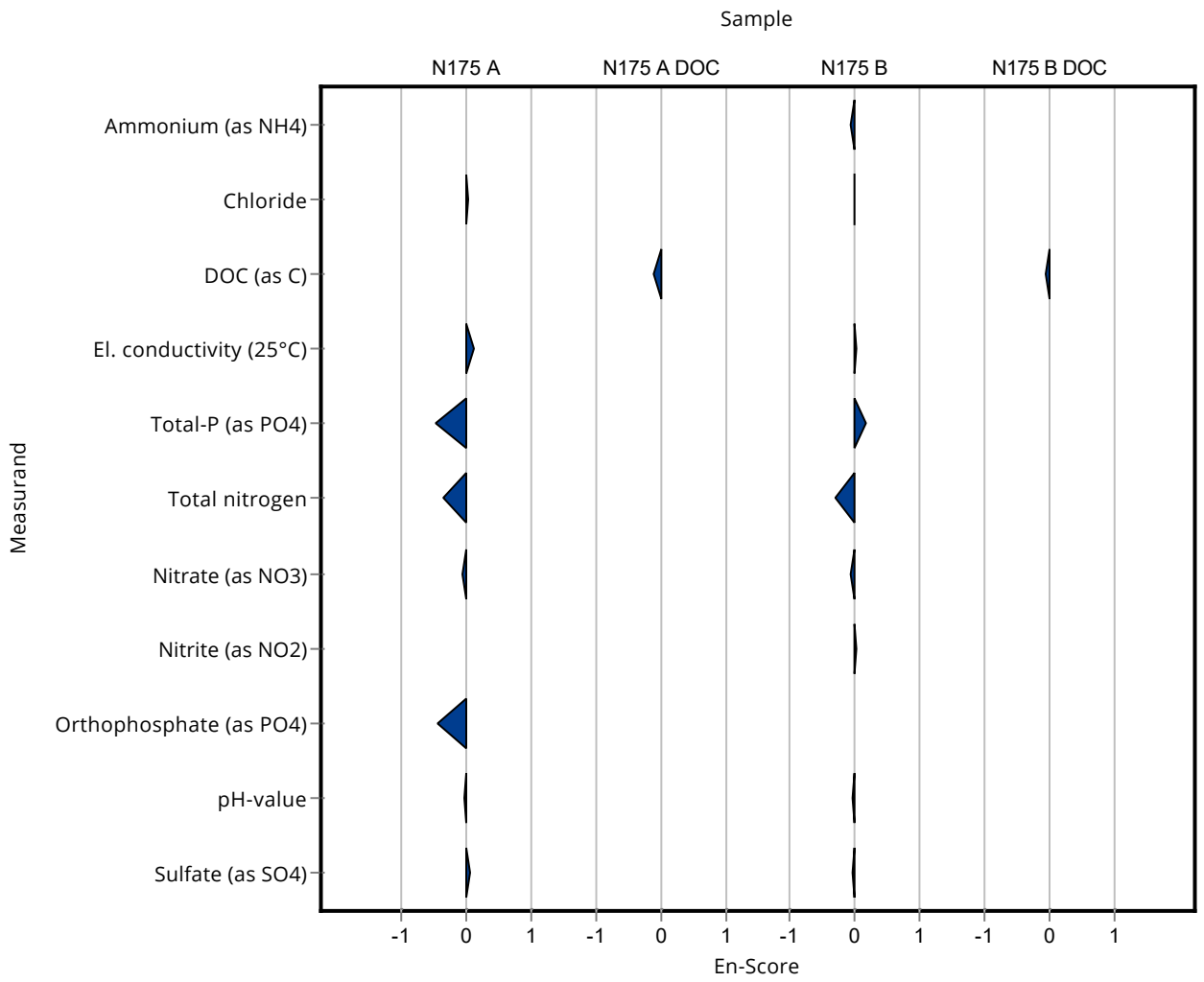
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.432 ± 0.258	0.193	96.7	-0.10

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.298 ± 0.069	0.0369	97	-0.07
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	- ± -	2.09	-	-
Chloride	mg/l	29.3 ± 0.251	29.251 ± 3.826	1.17	99.9	0.00
El. conductivity (25°C)	µS/cm	533 ± 1.36	535 ± 26.75	6.93	100	0.03
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	2.261 ± 0.271	0.162	104	0.18
Total hardness	mmol/l	2.34 ± 0.0174	- ± -	0.0701	-	-
Total nitrogen	mg/l	5.8 ± 0.138	5.324 ± 0.76	0.482	91.7	-0.31
Hydrogen carbonate	mg/l	220 ± 0.967	- ± -	4.41	-	-
Potassium	mg/l	2.58 ± 0.0293	- ± -	0.134	-	-
Magnesium	mg/l	15.6 ± 0.182	- ± -	0.622	-	-
Sodium	mg/l	16.4 ± 0.195	- ± -	0.558	-	-
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	23.143 ± 1.025	1.16	99.4	-0.07
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.692 ± 0.194	0.036	102	0.04
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	<0.015 (LOQ) ± -	0.0629	-	-
pH-value	-	7.63 ± 0.0362	7.57 ± 0.757	0.153	99.2	-0.04
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	31.889 ± 1.942	1.06	99.4	-0.05
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	- ± -	0.0728	-	-

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.392 ± 0.611	0.346	98	-0.06



Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	- ± -	0.00643	-	-
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	- ± -	5.12	-	-
Chloride	mg/l	102 ± 0.706	- ± -	4.07	-	-
El. conductivity (25°C)	µS/cm	1160 ± 3.02	- ± -	15.1	-	-
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	- ± -	0.0121	-	-
Total hardness	mmol/l	5.74 ± 0.0381	5.752 ± 0.575	0.172	100	0.09
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	444.51 ± 44.45	8.99	98.9	-0.56
Potassium	mg/l	2.56 ± 0.0428	- ± -	0.133	-	-
Magnesium	mg/l	38.6 ± 0.337	- ± -	1.55	-	-
Sodium	mg/l	26.5 ± 0.22	- ± -	0.899	-	-
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	- ± -	0.629	-	-
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	- ± -	0.00298	-	-
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	- ± -	0.0121	-	-
pH-value	-	7.54 ± 0.0389	- ± -	0.151	-	-
Sulfate (as SO ₄)	mg/l	106 ± 0.909	- ± -	3.49	-	-
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	- ± -	0.148	-	-

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	- ± -	0.193	-	-

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	- ± -	0.0369	-	-
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	- ± -	2.09	-	-
Chloride	mg/l	29.3 ± 0.251	- ± -	1.17	-	-
El. conductivity (25°C)	µS/cm	533 ± 1.36	- ± -	6.93	-	-

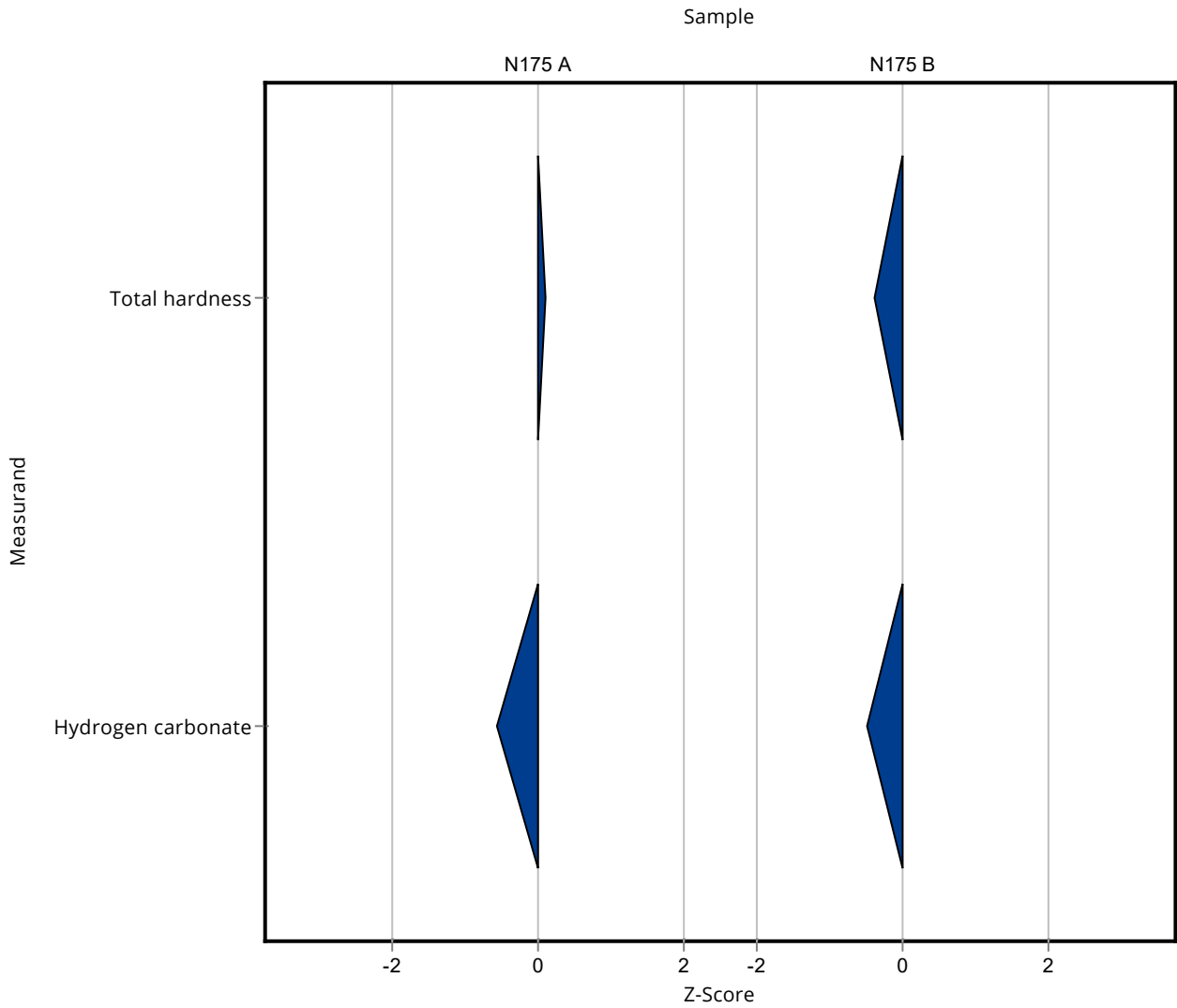
Summary of results Nutrients/Major Ions N175

Labcode: LC0035

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	- ± -	0.162	-	-
Total hardness	mmol/l	2.34 ± 0.0174	2.31 ± 0.231	0.0701	98.8	-0.39
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	218.34 ± 21.83	4.41	99	-0.49
Potassium	mg/l	2.58 ± 0.0293	- ± -	0.134	-	-
Magnesium	mg/l	15.6 ± 0.182	- ± -	0.622	-	-
Sodium	mg/l	16.4 ± 0.195	- ± -	0.558	-	-
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	- ± -	1.16	-	-
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	- ± -	0.036	-	-
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	- ± -	0.0629	-	-
pH-value	-	7.63 ± 0.0362	- ± -	0.153	-	-
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	- ± -	1.06	-	-
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	- ± -	0.0728	-	-

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	- ± -	0.346	-	-



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	- ± -	0.00643	-	-
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	- ± -	5.12	-	-
Chloride	mg/l	102 ± 0.706	- ± -	4.07	-	-
El. conductivity (25°C)	µS/cm	1160 ± 3.02	- ± -	15.1	-	-
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	- ± -	0.0121	-	-
Total hardness	mmol/l	5.74 ± 0.0381	5.752 ± 0.575	0.172	100	0.01
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	444.51 ± 44.45	8.99	98.9	-0.06
Potassium	mg/l	2.56 ± 0.0428	- ± -	0.133	-	-
Magnesium	mg/l	38.6 ± 0.337	- ± -	1.55	-	-
Sodium	mg/l	26.5 ± 0.22	- ± -	0.899	-	-
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	- ± -	0.629	-	-
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	- ± -	0.00298	-	-
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	- ± -	0.0121	-	-
pH-value	-	7.54 ± 0.0389	- ± -	0.151	-	-
Sulfate (as SO ₄)	mg/l	106 ± 0.909	- ± -	3.49	-	-
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	- ± -	0.148	-	-

Sample: N175ADOC

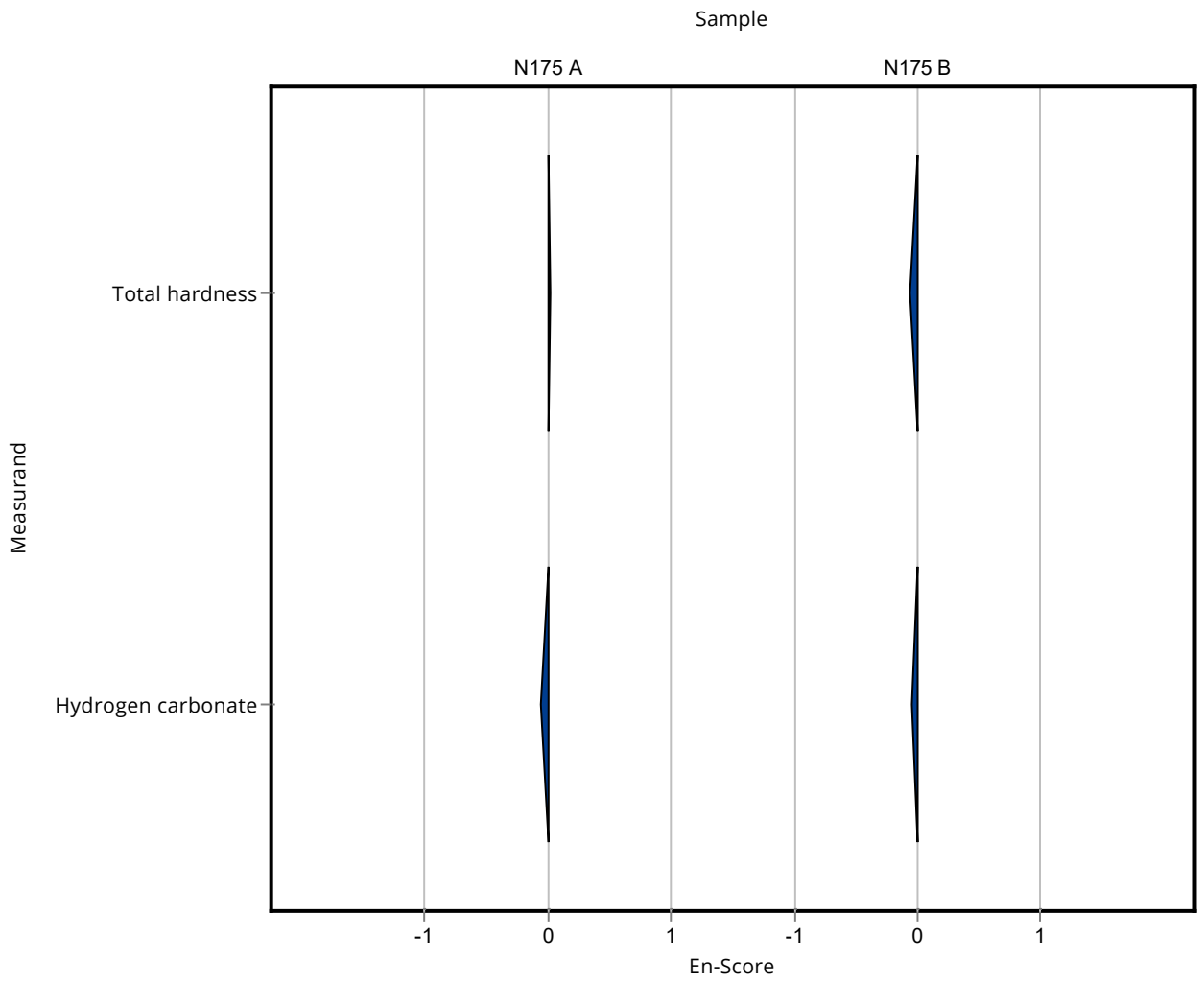
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	- ± -	0.193	-	-

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	- ± -	0.0369	-	-
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	- ± -	2.09	-	-
Chloride	mg/l	29.3 ± 0.251	- ± -	1.17	-	-
El. conductivity (25°C)	µS/cm	533 ± 1.36	- ± -	6.93	-	-
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	- ± -	0.162	-	-
Total hardness	mmol/l	2.34 ± 0.0174	2.31 ± 0.231	0.0701	98.8	-0.06
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	218.34 ± 21.83	4.41	99	-0.05
Potassium	mg/l	2.58 ± 0.0293	- ± -	0.134	-	-
Magnesium	mg/l	15.6 ± 0.182	- ± -	0.622	-	-
Sodium	mg/l	16.4 ± 0.195	- ± -	0.558	-	-
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	- ± -	1.16	-	-
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	- ± -	0.036	-	-
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	- ± -	0.0629	-	-
pH-value	-	7.63 ± 0.0362	- ± -	0.153	-	-
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	- ± -	1.06	-	-
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	- ± -	0.0728	-	-

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	- ± -	0.346	-	-



Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.036 ± 0.0054	0.00643	106	0.33
Boron	mg/l	0.0597 ± 0.00224	0.0621 ± 0.0093	0.00657	104	0.36
Calcium	mg/l	165 ± 1.53	163 ± 16	5.12	98.7	-0.42
Chloride	mg/l	102 ± 0.706	101 ± 10.1	4.07	99.3	-0.17
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1172 ± 15	15.1	101	0.57
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.163 ± 0.0163	0.0121	101	0.13
Total hardness	mmol/l	5.74 ± 0.0381	5.66 ± 0.56	0.172	98.7	-0.45
Total nitrogen	mg/l	2.96 ± 0.0892	2.97 ± 0.15	0.246	100	0.02
Hydrogen carbonate	mg/l	450 ± 1.44	- ± -	8.99	-	-
Potassium	mg/l	2.56 ± 0.0428	2.37 ± 0.36	0.133	92.4	-1.46
Magnesium	mg/l	38.6 ± 0.337	38.7 ± 3.9	1.55	100	0.05
Sodium	mg/l	26.5 ± 0.22	26.1 ± 3.9	0.899	98.7	-0.40
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12 ± 1.8	0.629	95.3	-0.93
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.036 ± 0.0036	0.00298	94.3	-0.73
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.074 ± 0.0074	0.0121	85.5	-1.04
pH-value	-	7.54 ± 0.0389	7.4 ± 0.15	0.151	98.1	-0.94
Sulfate (as SO ₄)	mg/l	106 ± 0.909	105 ± 21	3.49	99.2	-0.24
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	- ± -	0.148	-	-

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.44 ± 0.14	0.193	97.2	-0.22

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.302 ± 0.0453	0.0369	98.3	-0.14
Boron	mg/l	0.0176 ± 0.00104	0.0173 ± 0.0026	0.00211	98.5	-0.12
Calcium	mg/l	67.4 ± 0.625	66.1 ± 6.6	2.09	98.1	-0.62
Chloride	mg/l	29.3 ± 0.251	29.1 ± 2.91	1.17	99.4	-0.14
El. conductivity (25°C)	µS/cm	533 ± 1.36	537 ± 10	6.93	101	0.54

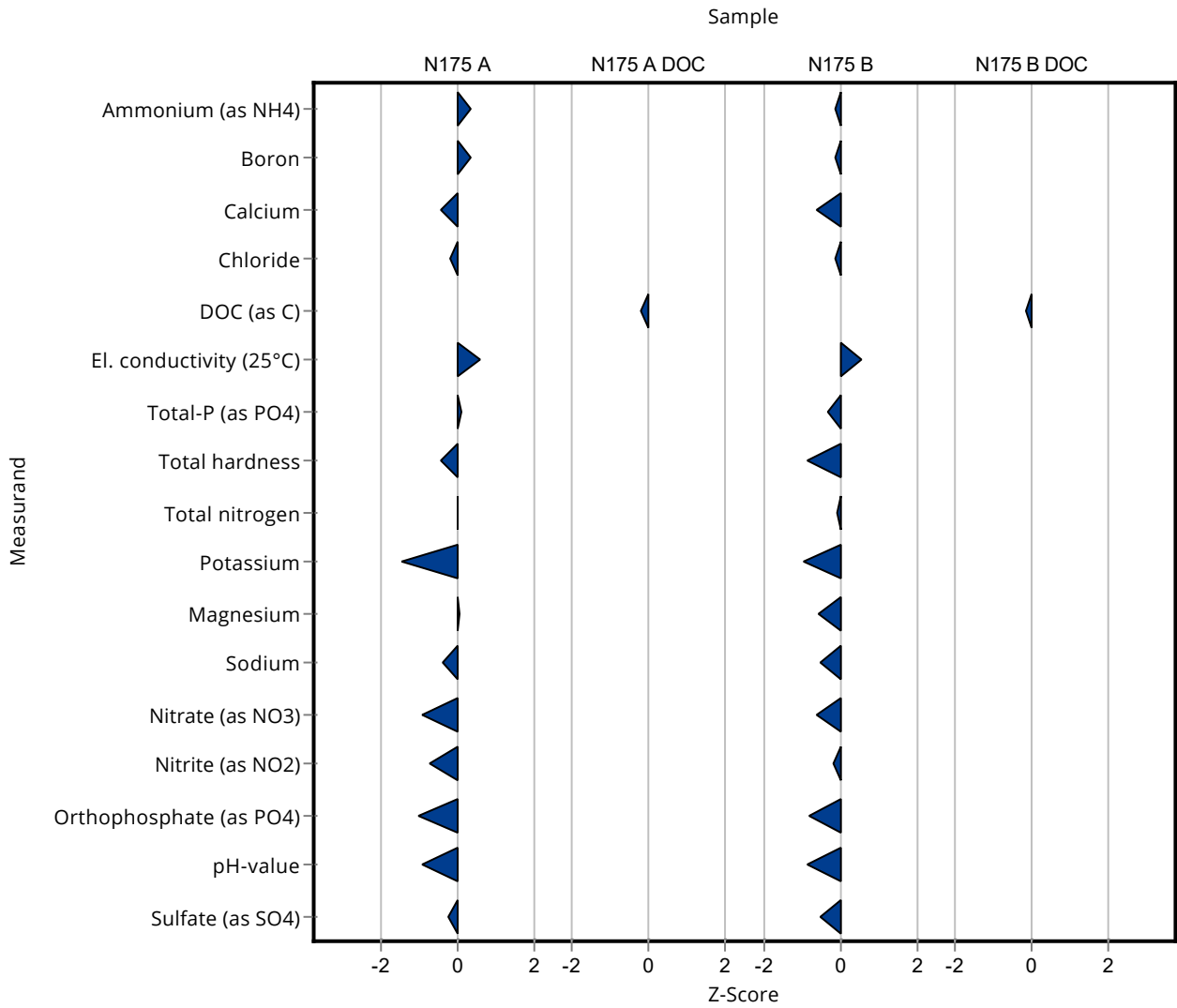
Summary of results Nutrients/Major Ions N175

Labcode: LC0036

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	2.11 ± 0.211	0.162	97.4	-0.34
Total hardness	mmol/l	2.34 ± 0.0174	2.275 ± 0.22	0.0701	97.3	-0.89
Total nitrogen	mg/l	5.8 ± 0.138	5.77 ± 0.29	0.482	99.4	-0.07
Hydrogen carbonate	mg/l	220 ± 0.967	- ± -	4.41	-	-
Potassium	mg/l	2.58 ± 0.0293	2.45 ± 0.37	0.134	95	-0.96
Magnesium	mg/l	15.6 ± 0.182	15.2 ± 1.5	0.622	97.7	-0.57
Sodium	mg/l	16.4 ± 0.195	16.1 ± 2.42	0.558	98.2	-0.54
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	22.58 ± 3.39	1.16	97	-0.60
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.672 ± 0.0672	0.036	99.1	-0.18
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.319 ± 0.0319	0.0629	86.2	-0.81
pH-value	-	7.63 ± 0.0362	7.5 ± 0.15	0.153	98.3	-0.87
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	31.5 ± 6.3	1.06	98.2	-0.54
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	- ± -	0.0728	-	-

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.41 ± 0.34	0.346	98.5	-0.15



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.036 ± 0.0054	0.00643	106	0.20
Boron	mg/l	0.0597 ± 0.00224	0.0621 ± 0.0093	0.00657	104	0.13
Calcium	mg/l	165 ± 1.53	163 ± 16	5.12	98.7	-0.07
Chloride	mg/l	102 ± 0.706	101 ± 10.1	4.07	99.3	-0.03
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1172 ± 15	15.1	101	0.29
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.163 ± 0.0163	0.0121	101	0.05
Total hardness	mmol/l	5.74 ± 0.0381	5.66 ± 0.56	0.172	98.7	-0.07
Total nitrogen	mg/l	2.96 ± 0.0892	2.97 ± 0.15	0.246	100	0.02
Hydrogen carbonate	mg/l	450 ± 1.44	- ± -	8.99	-	-
Potassium	mg/l	2.56 ± 0.0428	2.37 ± 0.36	0.133	92.4	-0.27
Magnesium	mg/l	38.6 ± 0.337	38.7 ± 3.9	1.55	100	0.01
Sodium	mg/l	26.5 ± 0.22	26.1 ± 3.9	0.899	98.7	-0.05
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12 ± 1.8	0.629	95.3	-0.16
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.036 ± 0.0036	0.00298	94.3	-0.30
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.074 ± 0.0074	0.0121	85.5	-0.81
pH-value	-	7.54 ± 0.0389	7.4 ± 0.15	0.151	98.1	-0.47
Sulfate (as SO ₄)	mg/l	106 ± 0.909	105 ± 21	3.49	99.2	-0.02
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	- ± -	0.148	-	-

Sample: N175ADOC

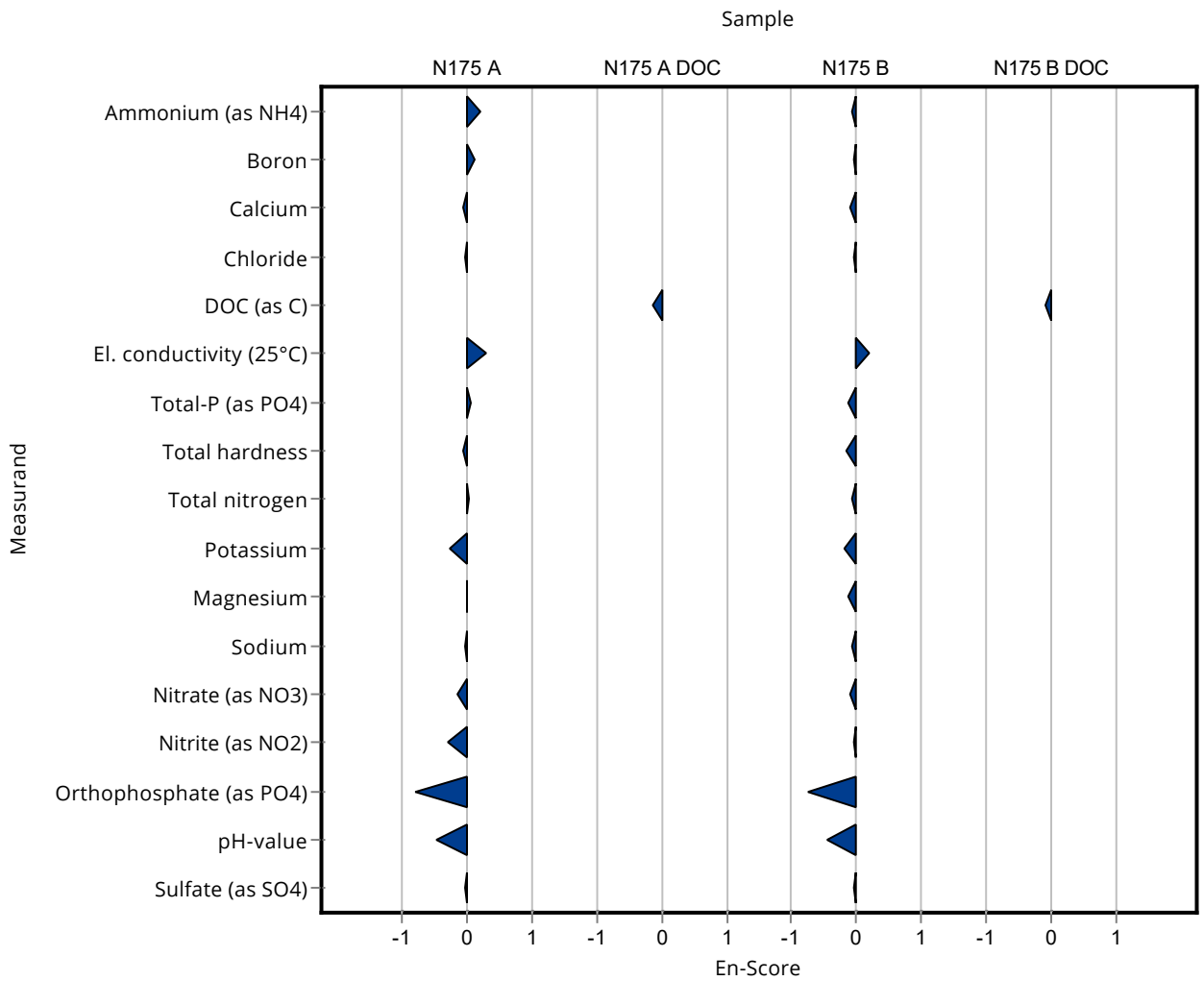
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.44 ± 0.14	0.193	97.2	-0.15

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.302 ± 0.0453	0.0369	98.3	-0.06
Boron	mg/l	0.0176 ± 0.00104	0.0173 ± 0.0026	0.00211	98.5	-0.05
Calcium	mg/l	67.4 ± 0.625	66.1 ± 6.6	2.09	98.1	-0.10
Chloride	mg/l	29.3 ± 0.251	29.1 ± 2.91	1.17	99.4	-0.03
El. conductivity (25°C)	µS/cm	533 ± 1.36	537 ± 10	6.93	101	0.19
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	2.11 ± 0.211	0.162	97.4	-0.13
Total hardness	mmol/l	2.34 ± 0.0174	2.275 ± 0.22	0.0701	97.3	-0.14
Total nitrogen	mg/l	5.8 ± 0.138	5.77 ± 0.29	0.482	99.4	-0.06
Hydrogen carbonate	mg/l	220 ± 0.967	- ± -	4.41	-	-
Potassium	mg/l	2.58 ± 0.0293	2.45 ± 0.37	0.134	95	-0.17
Magnesium	mg/l	15.6 ± 0.182	15.2 ± 1.5	0.622	97.7	-0.12
Sodium	mg/l	16.4 ± 0.195	16.1 ± 2.42	0.558	98.2	-0.06
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	22.58 ± 3.39	1.16	97	-0.10
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.672 ± 0.0672	0.036	99.1	-0.05
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.319 ± 0.0319	0.0629	86.2	-0.75
pH-value	-	7.63 ± 0.0362	7.5 ± 0.15	0.153	98.3	-0.44
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	31.5 ± 6.3	1.06	98.2	-0.05
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	- ± -	0.0728	-	-

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.41 ± 0.34	0.346	98.5	-0.08



Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.028 ± 0.00168	0.00643	82.7	-0.91
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	165.62 ± 2.64992	5.12	100	0.09
Chloride	mg/l	102 ± 0.706	99.91 ± 5.9946	4.07	98.2	-0.44
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1171 ± 29.275	15.1	101	0.50
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.165564 ± 0.009934	0.0121	103	0.34
Total hardness	mmol/l	5.74 ± 0.0381	5.76 ± 0.2304	0.172	100	0.14
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	448.5 ± 8.97	8.99	99.8	-0.12
Potassium	mg/l	2.56 ± 0.0428	2.65 ± 0.15635	0.133	103	0.64
Magnesium	mg/l	38.6 ± 0.337	38.51 ± 0.73169	1.55	99.7	-0.08
Sodium	mg/l	26.5 ± 0.22	27 ± 0.54	0.899	102	0.61
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12.62 ± 0.631	0.629	100	0.05
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.04 ± 0.004	0.00298	105	0.61
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.085848 ± 0.010302	0.0121	99.2	-0.06
pH-value	-	7.54 ± 0.0389	7.66 ± 0.25	0.151	102	0.79
Sulfate (as SO ₄)	mg/l	106 ± 0.909	106.38 ± 3.1914	3.49	101	0.16
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.41 ± 0.07	0.148	100	0.13

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.316 ± 0.1974	0.193	88.8	-0.86

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.289 ± 0.01734	0.0369	94.1	-0.49
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	68.9 ± 2.756	2.09	102	0.72
Chloride	mg/l	29.3 ± 0.251	29.04 ± 1.7424	1.17	99.2	-0.19
El. conductivity (25°C)	µS/cm	533 ± 1.36	536 ± 13.4	6.93	101	0.40

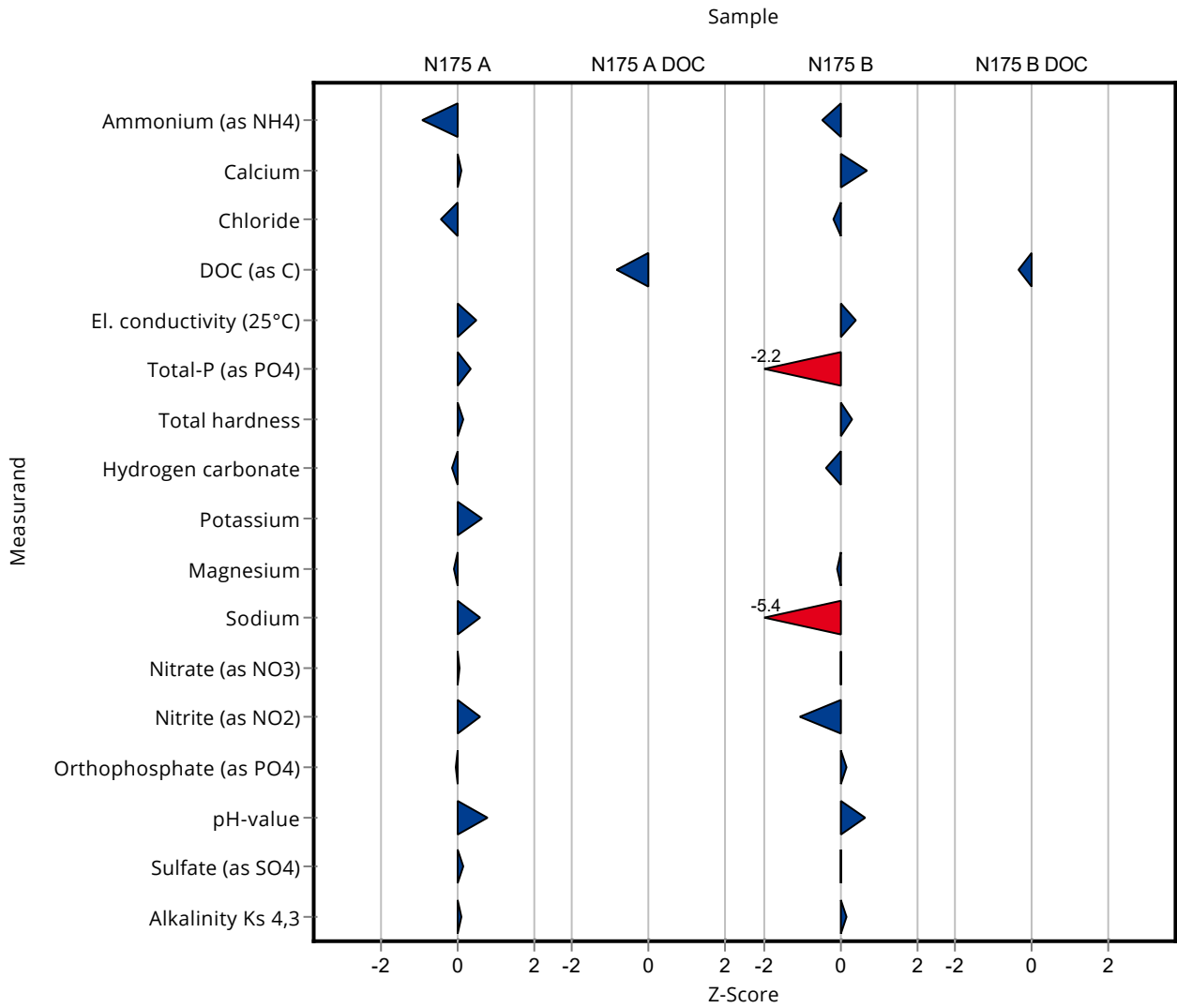
Summary of results Nutrients/Major Ions N175

Labcode: LC0037

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	1.80894 ± 0.108536	0.162	83.5	-2.19
Total hardness	mmol/l	2.34 ± 0.0174	2.36 ± 0.0944	0.0701	101	0.33
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	218.8 ± 4.376	4.41	99.2	-0.38
Potassium	mg/l	2.58 ± 0.0293	<1 (LOQ) ± -	0.134	-	-
Magnesium	mg/l	15.6 ± 0.182	15.5 ± 1.55	0.622	99.6	-0.09
Sodium	mg/l	16.4 ± 0.195	13.39 ± 0.2678	0.558	81.6	-5.40
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	23.27 ± 1.1635	1.16	99.9	-0.01
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.64 ± 0.064	0.036	94.3	-1.07
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.380184 ± 0.045622	0.0629	103	0.16
pH-value	-	7.63 ± 0.0362	7.73 ± 0.25	0.153	101	0.64
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	32.09 ± 0.9627	1.06	100	0.02
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.65 ± 0.01	0.0728	100	0.15

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.335 ± 0.50025	0.346	96.3	-0.37



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.028 ± 0.00168	0.00643	82.7	-1.46
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	165.62 ± 2.64992	5.12	100	0.08
Chloride	mg/l	102 ± 0.706	99.91 ± 5.9946	4.07	98.2	-0.15
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1171 ± 29.275	15.1	101	0.13
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.165564 ± 0.009934	0.0121	103	0.21
Total hardness	mmol/l	5.74 ± 0.0381	5.76 ± 0.2304	0.172	100	0.05
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	448.5 ± 8.97	8.99	99.8	-0.06
Potassium	mg/l	2.56 ± 0.0428	2.65 ± 0.15635	0.133	103	0.27
Magnesium	mg/l	38.6 ± 0.337	38.51 ± 0.73169	1.55	99.7	-0.08
Sodium	mg/l	26.5 ± 0.22	27 ± 0.54	0.899	102	0.49
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12.62 ± 0.631	0.629	100	0.03
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.04 ± 0.004	0.00298	105	0.23
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.085848 ± 0.010302	0.0121	99.2	-0.03
pH-value	-	7.54 ± 0.0389	7.66 ± 0.25	0.151	102	0.24
Sulfate (as SO ₄)	mg/l	106 ± 0.909	106.38 ± 3.1914	3.49	101	0.08
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.41 ± 0.07	0.148	100	0.13

Sample: N175ADOC

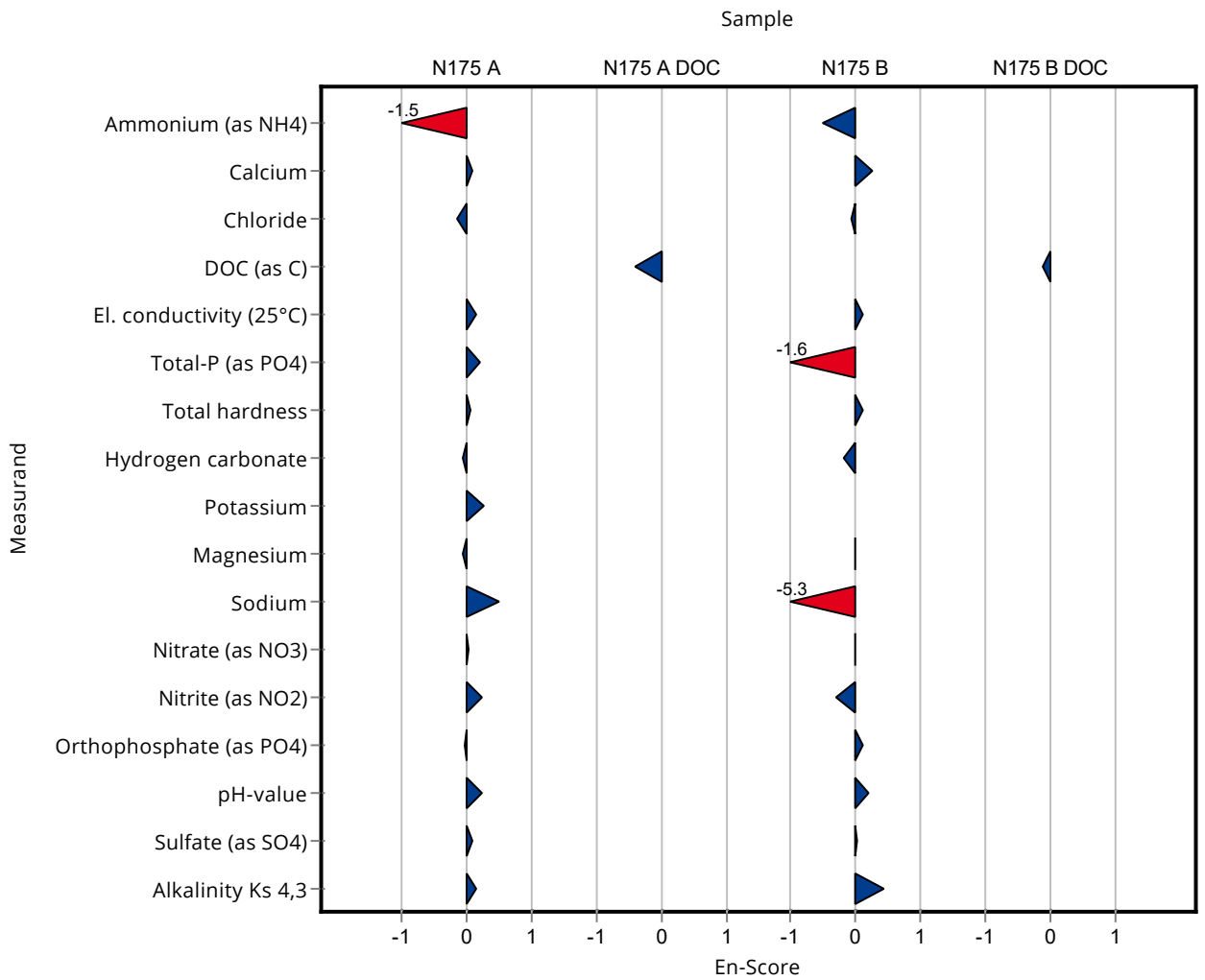
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.316 ± 0.1974	0.193	88.8	-0.41

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.289 ± 0.01734	0.0369	94.1	-0.52
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	68.9 ± 2.756	2.09	102	0.27
Chloride	mg/l	29.3 ± 0.251	29.04 ± 1.7424	1.17	99.2	-0.06
El. conductivity (25°C)	µS/cm	533 ± 1.36	536 ± 13.4	6.93	101	0.10
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	1.80894 ± 0.108536	0.162	83.5	-1.60
Total hardness	mmol/l	2.34 ± 0.0174	2.36 ± 0.0944	0.0701	101	0.12
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	218.8 ± 4.376	4.41	99.2	-0.19
Potassium	mg/l	2.58 ± 0.0293	<1 (LOQ) ± -	0.134	-	-
Magnesium	mg/l	15.6 ± 0.182	15.5 ± 1.55	0.622	99.6	-0.02
Sodium	mg/l	16.4 ± 0.195	13.39 ± 0.2678	0.558	81.6	-5.28
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	23.27 ± 1.1635	1.16	99.9	-0.01
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.64 ± 0.064	0.036	94.3	-0.30
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.380184 ± 0.045622	0.0629	103	0.10
pH-value	-	7.63 ± 0.0362	7.73 ± 0.25	0.153	101	0.19
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	32.09 ± 0.9627	1.06	100	0.01
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.65 ± 0.01	0.0728	100	0.45

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.335 ± 0.50025	0.346	96.3	-0.13



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.25 ± 0.01	0.00643	739	33.61
Boron	mg/l	0.0597 ± 0.00224	<0.1 (LOQ) ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	172 ± 17	5.12	104	1.33
Chloride	mg/l	102 ± 0.706	104 ± 10	4.07	102	0.56
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1154 ± 12	15.1	99.2	-0.62
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	- ± -	0.0121	-	-
Total hardness	mmol/l	5.74 ± 0.0381	5.86 ± 0.59	0.172	102	0.72
Total nitrogen	mg/l	2.96 ± 0.0892	<10 (LOQ) ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	448 ± 45	8.99	99.6	-0.18
Potassium	mg/l	2.56 ± 0.0428	2.53 ± 0.25	0.133	98.7	-0.26
Magnesium	mg/l	38.6 ± 0.337	38 ± 0.4	1.55	98.4	-0.41
Sodium	mg/l	26.5 ± 0.22	26.1 ± 2.6	0.899	98.7	-0.40
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12.8 ± 1.3	0.629	102	0.34
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.06 ± 0.01	0.00298	157	7.33
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	<1 (LOQ) ± -	0.0121	-	-
pH-value	-	7.54 ± 0.0389	7.52 ± 0.2	0.151	99.7	-0.14
Sulfate (as SO ₄)	mg/l	106 ± 0.909	99.5 ± 10	3.49	94	-1.81
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.35 ± 0.74	0.148	99.4	-0.28

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	- ± -	0.193	-	-

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.37 ± 0.02	0.0369	120	1.70
Boron	mg/l	0.0176 ± 0.00104	<100 (LOQ) ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	69.4 ± 6.9	2.09	103	0.96
Chloride	mg/l	29.3 ± 0.251	29.4 ± 2.9	1.17	100	0.11
El. conductivity (25°C)	µS/cm	533 ± 1.36	528 ± 5	6.93	99	-0.76

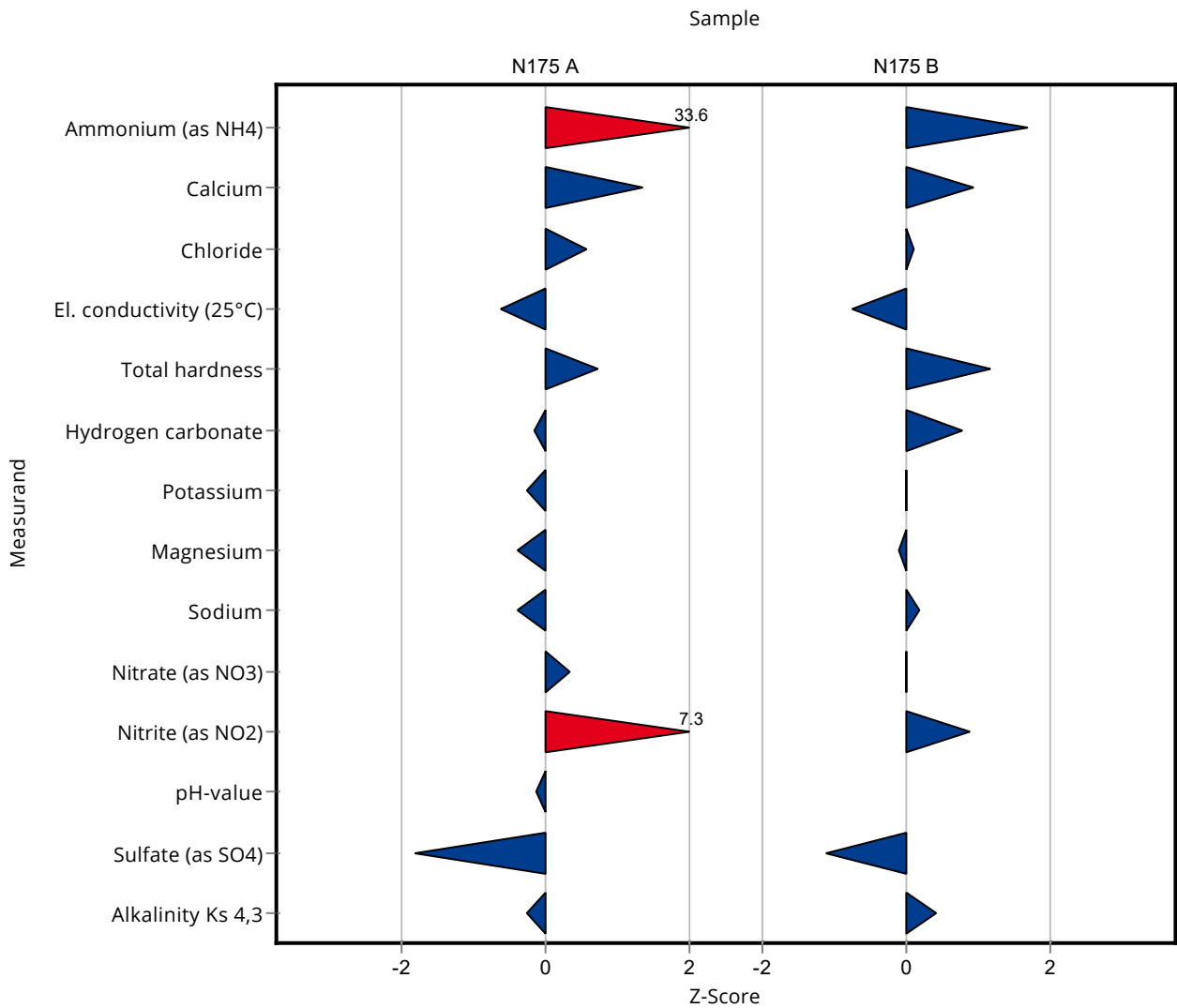
Summary of results Nutrients/Major Ions N175

Labcode: LC0038

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	- ± -	0.162	-	-
Total hardness	mmol/l	2.34 ± 0.0174	2.42 ± 0.24	0.0701	104	1.18
Total nitrogen	mg/l	5.8 ± 0.138	<10 (LOQ) ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	224 ± 22	4.41	102	0.80
Potassium	mg/l	2.58 ± 0.0293	2.58 ± 0.26	0.134	100	0.01
Magnesium	mg/l	15.6 ± 0.182	15.5 ± 1.6	0.622	99.6	-0.09
Sodium	mg/l	16.4 ± 0.195	16.5 ± 1.7	0.558	101	0.18
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	23.3 ± 2.3	1.16	100	0.02
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.71 ± 0.08	0.036	105	0.88
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	<1 (LOQ) ± -	0.0629	-	-
pH-value	-	7.63 ± 0.0362	- ± -	0.153	-	-
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	30.9 ± 3.1	1.06	96.3	-1.11
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.67 ± 0.37	0.0728	101	0.42

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	- ± -	0.346	-	-



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.25 ± 0.01	0.00643	739	10.74
Boron	mg/l	0.0597 ± 0.00224	<0.1 (LOQ) ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	172 ± 17	5.12	104	0.20
Chloride	mg/l	102 ± 0.706	104 ± 10	4.07	102	0.11
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1154 ± 12	15.1	99.2	-0.39
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	- ± -	0.0121	-	-
Total hardness	mmol/l	5.74 ± 0.0381	5.86 ± 0.59	0.172	102	0.10
Total nitrogen	mg/l	2.96 ± 0.0892	<10 (LOQ) ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	448 ± 45	8.99	99.6	-0.02
Potassium	mg/l	2.56 ± 0.0428	2.53 ± 0.25	0.133	98.7	-0.07
Magnesium	mg/l	38.6 ± 0.337	38 ± 0.4	1.55	98.4	-0.72
Sodium	mg/l	26.5 ± 0.22	26.1 ± 2.6	0.899	98.7	-0.07
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12.8 ± 1.3	0.629	102	0.08
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.06 ± 0.01	0.00298	157	1.09
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	<1 (LOQ) ± -	0.0121	-	-
pH-value	-	7.54 ± 0.0389	7.52 ± 0.2	0.151	99.7	-0.05
Sulfate (as SO ₄)	mg/l	106 ± 0.909	99.5 ± 10	3.49	94	-0.32
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.35 ± 0.74	0.148	99.4	-0.03

Sample: N175ADOC

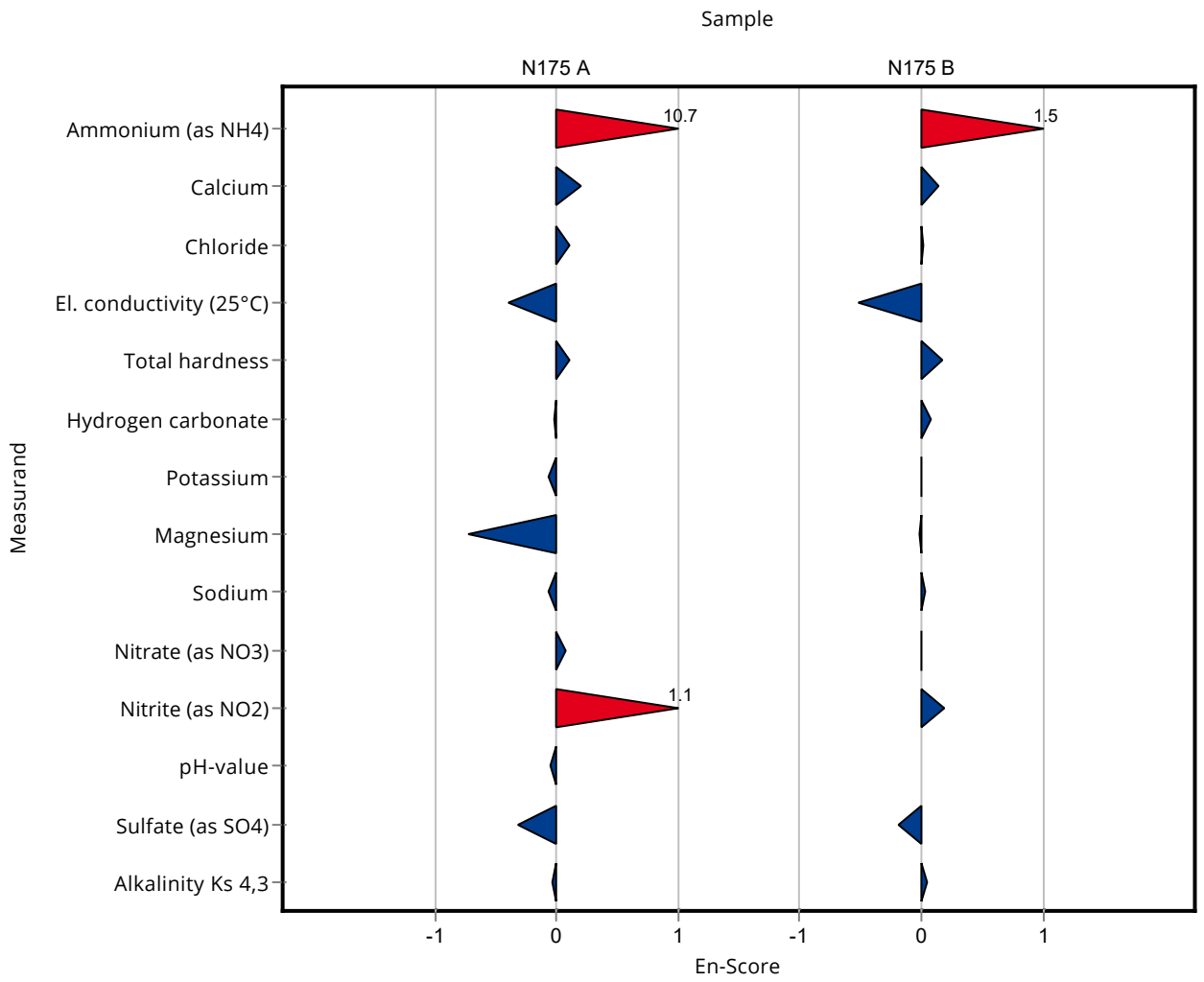
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	- ± -	0.193	-	-

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.37 ± 0.02	0.0369	120	1.55
Boron	mg/l	0.0176 ± 0.00104	<100 (LOQ) ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	69.4 ± 6.9	2.09	103	0.14
Chloride	mg/l	29.3 ± 0.251	29.4 ± 2.9	1.17	100	0.02
El. conductivity (25°C)	µS/cm	533 ± 1.36	528 ± 5	6.93	99	-0.52
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	- ± -	0.162	-	-
Total hardness	mmol/l	2.34 ± 0.0174	2.42 ± 0.24	0.0701	104	0.17
Total nitrogen	mg/l	5.8 ± 0.138	<10 (LOQ) ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	224 ± 22	4.41	102	0.08
Potassium	mg/l	2.58 ± 0.0293	2.58 ± 0.26	0.134	100	0.00
Magnesium	mg/l	15.6 ± 0.182	15.5 ± 1.6	0.622	99.6	-0.02
Sodium	mg/l	16.4 ± 0.195	16.5 ± 1.7	0.558	101	0.03
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	23.3 ± 2.3	1.16	100	0.00
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.71 ± 0.08	0.036	105	0.20
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	<1 (LOQ) ± -	0.0629	-	-
pH-value	-	7.63 ± 0.0362	- ± -	0.153	-	-
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	30.9 ± 3.1	1.06	96.3	-0.19
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.67 ± 0.37	0.0728	101	0.04

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	- ± -	0.346	-	-



Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.0597 ± 0.012	0.00643	176	4.02
Boron	mg/l	0.0597 ± 0.00224	0.06 ± 0.006	0.00657	100	0.04
Calcium	mg/l	165 ± 1.53	158.64 ± 15.86	5.12	96	-1.28
Chloride	mg/l	102 ± 0.706	101.54 ± 27.8	4.07	99.8	-0.04
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1157 ± 115.7	15.1	99.5	-0.42
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.159 ± 0.011	0.0121	98.5	-0.20
Total hardness	mmol/l	5.74 ± 0.0381	5.58 ± 0.558	0.172	97.3	-0.91
Total nitrogen	mg/l	2.96 ± 0.0892	3.085 ± 0.308	0.246	104	0.49
Hydrogen carbonate	mg/l	450 ± 1.44	462.08 ± 46.2	8.99	103	1.39
Potassium	mg/l	2.56 ± 0.0428	2.27 ± 0.227	0.133	88.5	-2.21
Magnesium	mg/l	38.6 ± 0.337	39.46 ± 3.95	1.55	102	0.54
Sodium	mg/l	26.5 ± 0.22	23.75 ± 2.38	0.899	89.8	-3.01
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	9.71 ± 0.357	0.629	77.1	-4.57
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.0373 ± 0.0025	0.00298	97.7	-0.30
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.1057 ± 0.0106	0.0121	122	1.58
pH-value	-	7.54 ± 0.0389	7.83 ± 0.12	0.151	104	1.91
Sulfate (as SO ₄)	mg/l	106 ± 0.909	101.705 ± 10.17	3.49	96.1	-1.18
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.575 ± 0.189	0.148	102	1.24

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	2.34 ± 0.298	0.193	158	4.46

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.338 ± 0.066	0.0369	110	0.83
Boron	mg/l	0.0176 ± 0.00104	0.021 ± 0.0021	0.00211	120	1.64
Calcium	mg/l	67.4 ± 0.625	67.09 ± 6.71	2.09	99.5	-0.15
Chloride	mg/l	29.3 ± 0.251	28.82 ± 7.89	1.17	98.5	-0.38
El. conductivity (25°C)	µS/cm	533 ± 1.36	530 ± 53	6.93	99.4	-0.47

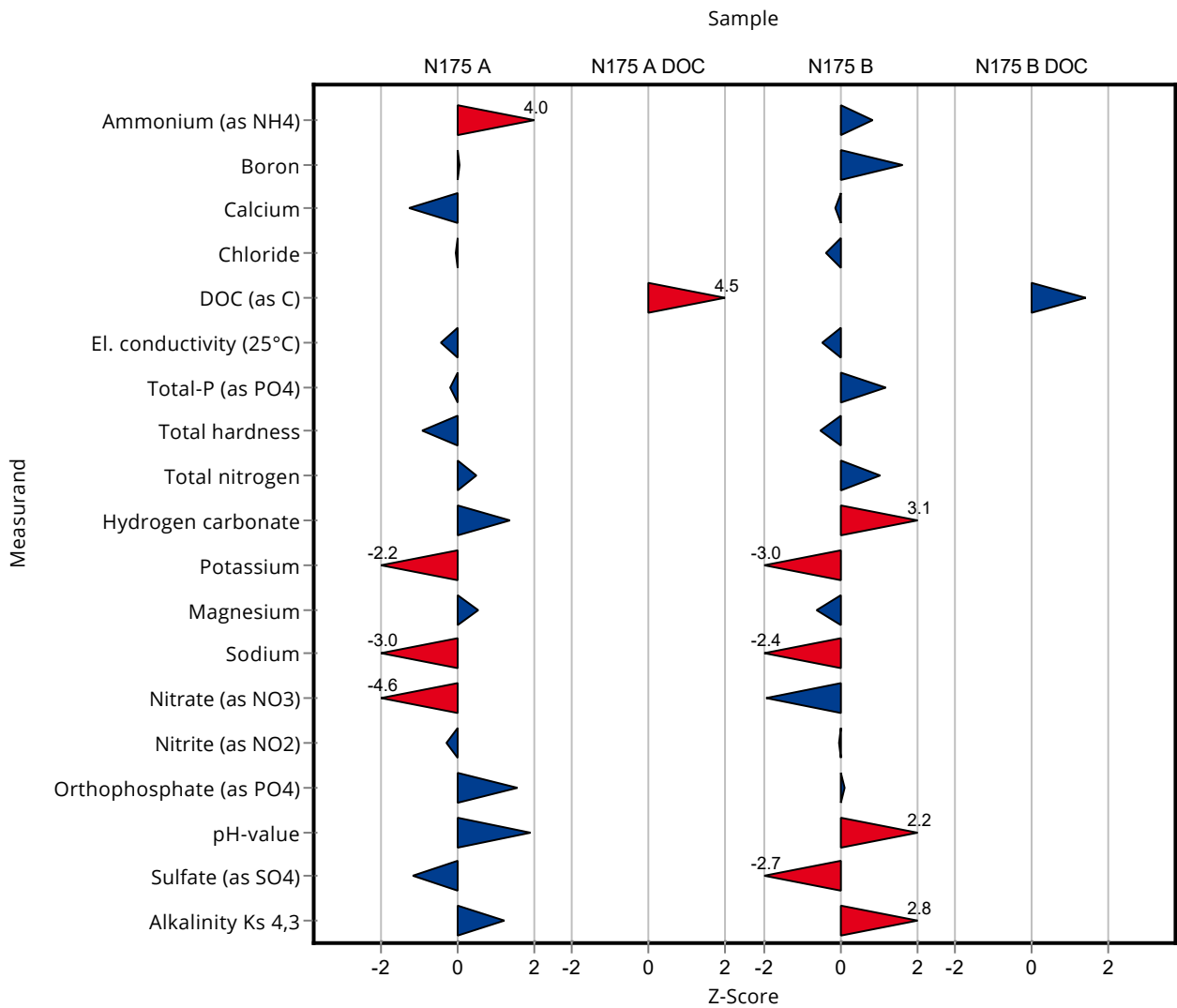
Summary of results Nutrients/Major Ions N175

Labcode: LC0039

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	2.36 ± 0.157	0.162	109	1.20
Total hardness	mmol/l	2.34 ± 0.0174	2.3 ± 0.23	0.0701	98.4	-0.53
Total nitrogen	mg/l	5.8 ± 0.138	6.295 ± 0.63	0.482	108	1.02
Hydrogen carbonate	mg/l	220 ± 0.967	234.118 ± 23.41	4.41	106	3.09
Potassium	mg/l	2.58 ± 0.0293	2.18 ± 0.218	0.134	84.5	-2.97
Magnesium	mg/l	15.6 ± 0.182	15.17 ± 1.52	0.622	97.5	-0.62
Sodium	mg/l	16.4 ± 0.195	15.04 ± 1.5	0.558	91.7	-2.44
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	21.02 ± 0.807	1.16	90.3	-1.94
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.677 ± 0.045	0.036	99.8	-0.04
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.377 ± 0.0377	0.0629	102	0.11
pH-value	-	7.63 ± 0.0362	7.97 ± 0.122	0.153	104	2.21
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	29.2 ± 2.92	1.06	91	-2.71
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.84 ± 0.096	0.0728	106	2.76

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.95 ± 0.502	0.346	114	1.41



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.0597 ± 0.012	0.00643	176	1.07
Boron	mg/l	0.0597 ± 0.00224	0.06 ± 0.006	0.00657	100	0.02
Calcium	mg/l	165 ± 1.53	158.64 ± 15.86	5.12	96	-0.21
Chloride	mg/l	102 ± 0.706	101.54 ± 27.8	4.07	99.8	0.00
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1157 ± 115.7	15.1	99.5	-0.03
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.159 ± 0.011	0.0121	98.5	-0.11
Total hardness	mmol/l	5.74 ± 0.0381	5.58 ± 0.558	0.172	97.3	-0.14
Total nitrogen	mg/l	2.96 ± 0.0892	3.085 ± 0.308	0.246	104	0.19
Hydrogen carbonate	mg/l	450 ± 1.44	462.08 ± 46.2	8.99	103	0.14
Potassium	mg/l	2.56 ± 0.0428	2.27 ± 0.227	0.133	88.5	-0.64
Magnesium	mg/l	38.6 ± 0.337	39.46 ± 3.95	1.55	102	0.11
Sodium	mg/l	26.5 ± 0.22	23.75 ± 2.38	0.899	89.8	-0.57
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	9.71 ± 0.357	0.629	77.1	-3.94
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.0373 ± 0.0025	0.00298	97.7	-0.17
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.1057 ± 0.0106	0.0121	122	0.88
pH-value	-	7.54 ± 0.0389	7.83 ± 0.12	0.151	104	1.19
Sulfate (as SO ₄)	mg/l	106 ± 0.909	101.705 ± 10.17	3.49	96.1	-0.20
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.575 ± 0.189	0.148	102	0.49

Sample: N175ADOC

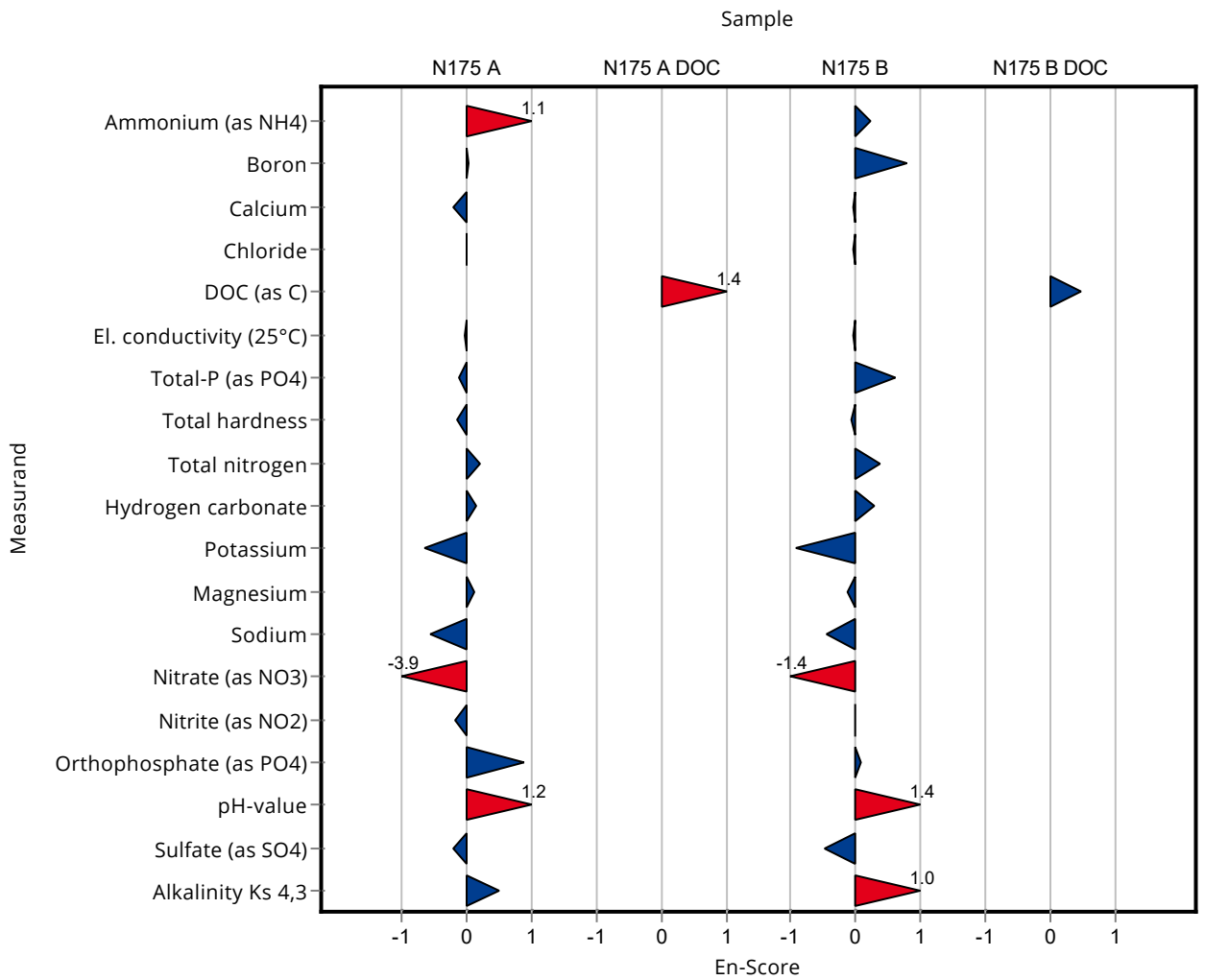
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	2.34 ± 0.298	0.193	158	1.43

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.338 ± 0.066	0.0369	110	0.23
Boron	mg/l	0.0176 ± 0.00104	0.021 ± 0.0021	0.00211	120	0.80
Calcium	mg/l	67.4 ± 0.625	67.09 ± 6.71	2.09	99.5	-0.02
Chloride	mg/l	29.3 ± 0.251	28.82 ± 7.89	1.17	98.5	-0.03
El. conductivity (25°C)	µS/cm	533 ± 1.36	530 ± 53	6.93	99.4	-0.03
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	2.36 ± 0.157	0.162	109	0.61
Total hardness	mmol/l	2.34 ± 0.0174	2.3 ± 0.23	0.0701	98.4	-0.08
Total nitrogen	mg/l	5.8 ± 0.138	6.295 ± 0.63	0.482	108	0.39
Hydrogen carbonate	mg/l	220 ± 0.967	234.118 ± 23.41	4.41	106	0.29
Potassium	mg/l	2.58 ± 0.0293	2.18 ± 0.218	0.134	84.5	-0.91
Magnesium	mg/l	15.6 ± 0.182	15.17 ± 1.52	0.622	97.5	-0.13
Sodium	mg/l	16.4 ± 0.195	15.04 ± 1.5	0.558	91.7	-0.45
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	21.02 ± 0.807	1.16	90.3	-1.39
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.677 ± 0.045	0.036	99.8	-0.02
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.377 ± 0.0377	0.0629	102	0.08
pH-value	-	7.63 ± 0.0362	7.97 ± 0.122	0.153	104	1.37
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	29.2 ± 2.92	1.06	91	-0.49
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.84 ± 0.096	0.0728	106	1.04

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.95 ± 0.502	0.346	114	0.48



Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.0475 ± 0.0016	0.00643	140	2.12
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	- ± -	5.12	-	-
Chloride	mg/l	102 ± 0.706	100 ± 7.5	4.07	98.3	-0.42
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1170 ± 12	15.1	101	0.44
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.052 ± 0.0018	0.0121	32.2	-9.04
Total hardness	mmol/l	5.74 ± 0.0381	- ± -	0.172	-	-
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	- ± -	8.99	-	-
Potassium	mg/l	2.56 ± 0.0428	- ± -	0.133	-	-
Magnesium	mg/l	38.6 ± 0.337	- ± -	1.55	-	-
Sodium	mg/l	26.5 ± 0.22	- ± -	0.899	-	-
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	13 ± 0.59	0.629	103	0.66
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	- ± -	0.00298	-	-
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	- ± -	0.0121	-	-
pH-value	-	7.54 ± 0.0389	7.45 ± 0.11	0.151	98.8	-0.61
Sulfate (as SO ₄)	mg/l	106 ± 0.909	- ± -	3.49	-	-
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.3 ± 1.7	0.148	98.8	-0.62

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.6 ± 0.056	0.193	108	0.62

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.32 ± 0.011	0.0369	104	0.35
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	- ± -	2.09	-	-
Chloride	mg/l	29.3 ± 0.251	31 ± 2	1.17	106	1.48
El. conductivity (25°C)	µS/cm	533 ± 1.36	537 ± 5.4	6.93	101	0.54

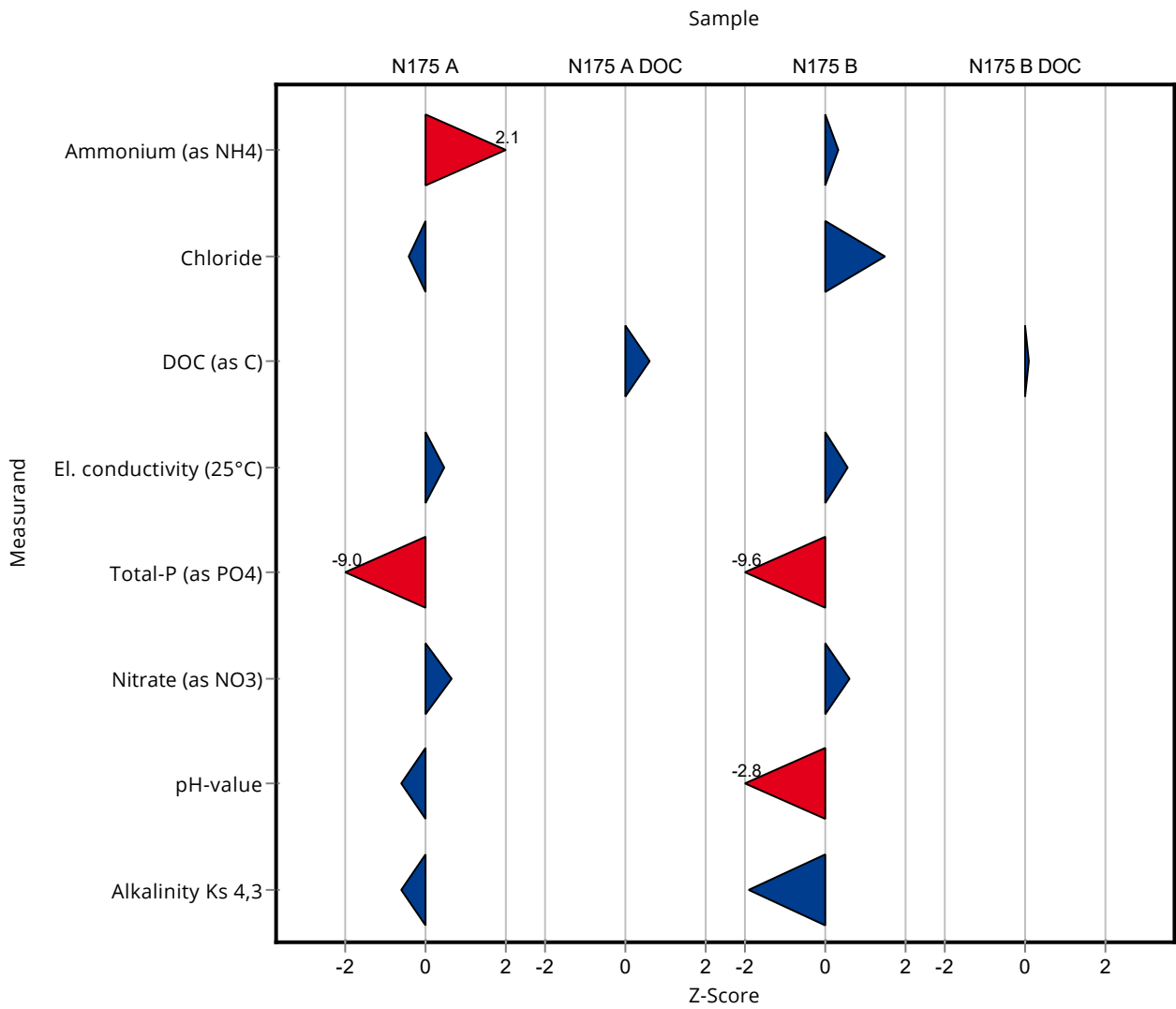
Summary of results Nutrients/Major Ions N175

Labcode: LC0040

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	0.61 ± 0.021	0.162	28.2	-9.58
Total hardness	mmol/l	2.34 ± 0.0174	- ± -	0.0701	-	-
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	- ± -	4.41	-	-
Potassium	mg/l	2.58 ± 0.0293	- ± -	0.134	-	-
Magnesium	mg/l	15.6 ± 0.182	- ± -	0.622	-	-
Sodium	mg/l	16.4 ± 0.195	- ± -	0.558	-	-
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	24 ± 1.1	1.16	103	0.62
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	- ± -	0.036	-	-
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	- ± -	0.0629	-	-
pH-value	-	7.63 ± 0.0362	7.2 ± 0.11	0.153	94.3	-2.83
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	- ± -	1.06	-	-
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.5 ± 0.81	0.0728	96.2	-1.91

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.5 ± 0.12	0.346	101	0.11



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.0475 ± 0.0016	0.00643	140	3.53
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	- ± -	5.12	-	-
Chloride	mg/l	102 ± 0.706	100 ± 7.5	4.07	98.3	-0.11
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1170 ± 12	15.1	101	0.27
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.052 ± 0.0018	0.0121	32.2	-21.85
Total hardness	mmol/l	5.74 ± 0.0381	- ± -	0.172	-	-
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	- ± -	8.99	-	-
Potassium	mg/l	2.56 ± 0.0428	- ± -	0.133	-	-
Magnesium	mg/l	38.6 ± 0.337	- ± -	1.55	-	-
Sodium	mg/l	26.5 ± 0.22	- ± -	0.899	-	-
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	13 ± 0.59	0.629	103	0.35
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	- ± -	0.00298	-	-
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	- ± -	0.0121	-	-
pH-value	-	7.54 ± 0.0389	7.45 ± 0.11	0.151	98.8	-0.41
Sulfate (as SO ₄)	mg/l	106 ± 0.909	- ± -	3.49	-	-
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.3 ± 1.7	0.148	98.8	-0.03

Sample: N175ADOC

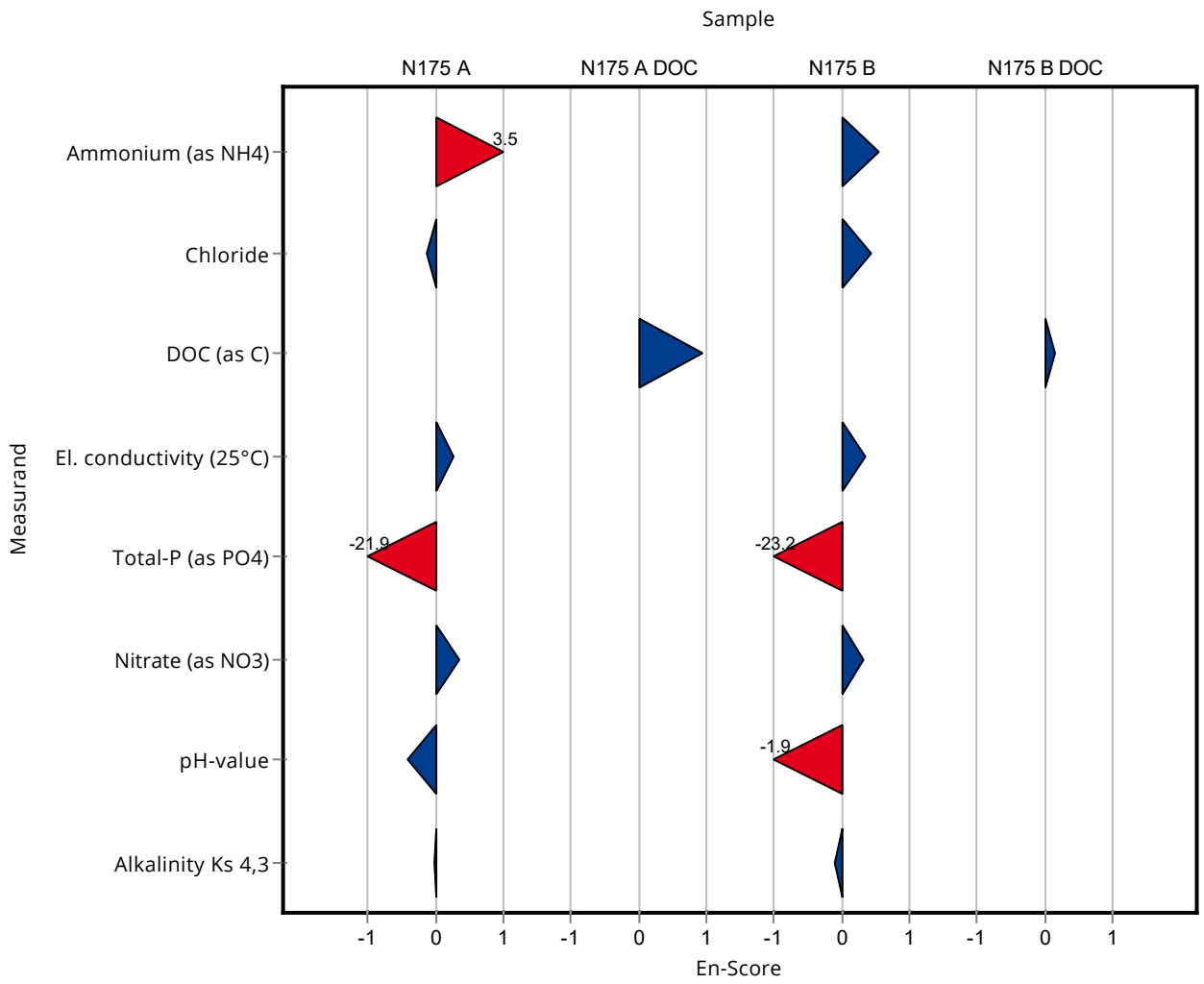
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.6 ± 0.056	0.193	108	0.94

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.32 ± 0.011	0.0369	104	0.56
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	- ± -	2.09	-	-
Chloride	mg/l	29.3 ± 0.251	31 ± 2	1.17	106	0.43
El. conductivity (25°C)	µS/cm	533 ± 1.36	537 ± 5.4	6.93	101	0.35
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	0.61 ± 0.021	0.162	28.2	-23.18
Total hardness	mmol/l	2.34 ± 0.0174	- ± -	0.0701	-	-
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	- ± -	4.41	-	-
Potassium	mg/l	2.58 ± 0.0293	- ± -	0.134	-	-
Magnesium	mg/l	15.6 ± 0.182	- ± -	0.622	-	-
Sodium	mg/l	16.4 ± 0.195	- ± -	0.558	-	-
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	24 ± 1.1	1.16	103	0.32
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	- ± -	0.036	-	-
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	- ± -	0.0629	-	-
pH-value	-	7.63 ± 0.0362	7.2 ± 0.11	0.153	94.3	-1.94
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	- ± -	1.06	-	-
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.5 ± 0.81	0.0728	96.2	-0.09

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.5 ± 0.12	0.346	101	0.15



Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	- ± -	0.00643	-	-
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	165 ± 41	5.12	99.9	-0.03
Chloride	mg/l	102 ± 0.706	- ± -	4.07	-	-
El. conductivity (25°C)	µS/cm	1160 ± 3.02	- ± -	15.1	-	-
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	- ± -	0.0121	-	-
Total hardness	mmol/l	5.74 ± 0.0381	5.71 ± 2.3	0.172	99.5	-0.16
Total nitrogen	mg/l	2.96 ± 0.0892	13.7 ± 2.1	0.246	462	43.64
Hydrogen carbonate	mg/l	450 ± 1.44	457 ± 137	8.99	102	0.83
Potassium	mg/l	2.56 ± 0.0428	- ± -	0.133	-	-
Magnesium	mg/l	38.6 ± 0.337	38.7 ± 9.7	1.55	100	0.05
Sodium	mg/l	26.5 ± 0.22	- ± -	0.899	-	-
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	13.6 ± 2	0.629	108	1.61
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.0416 ± 0.0042	0.00298	109	1.15
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.0888 ± 0.018	0.0121	103	0.18
pH-value	-	7.54 ± 0.0389	- ± -	0.151	-	-
Sulfate (as SO ₄)	mg/l	106 ± 0.909	107 ± 21	3.49	101	0.33
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.53 ± 1.9	0.148	102	0.94

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.42 ± 0.57	0.193	95.8	-0.32

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	- ± -	0.0369	-	-
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	67.6 ± 17	2.09	100	0.09
Chloride	mg/l	29.3 ± 0.251	- ± -	1.17	-	-
El. conductivity (25°C)	µS/cm	533 ± 1.36	- ± -	6.93	-	-

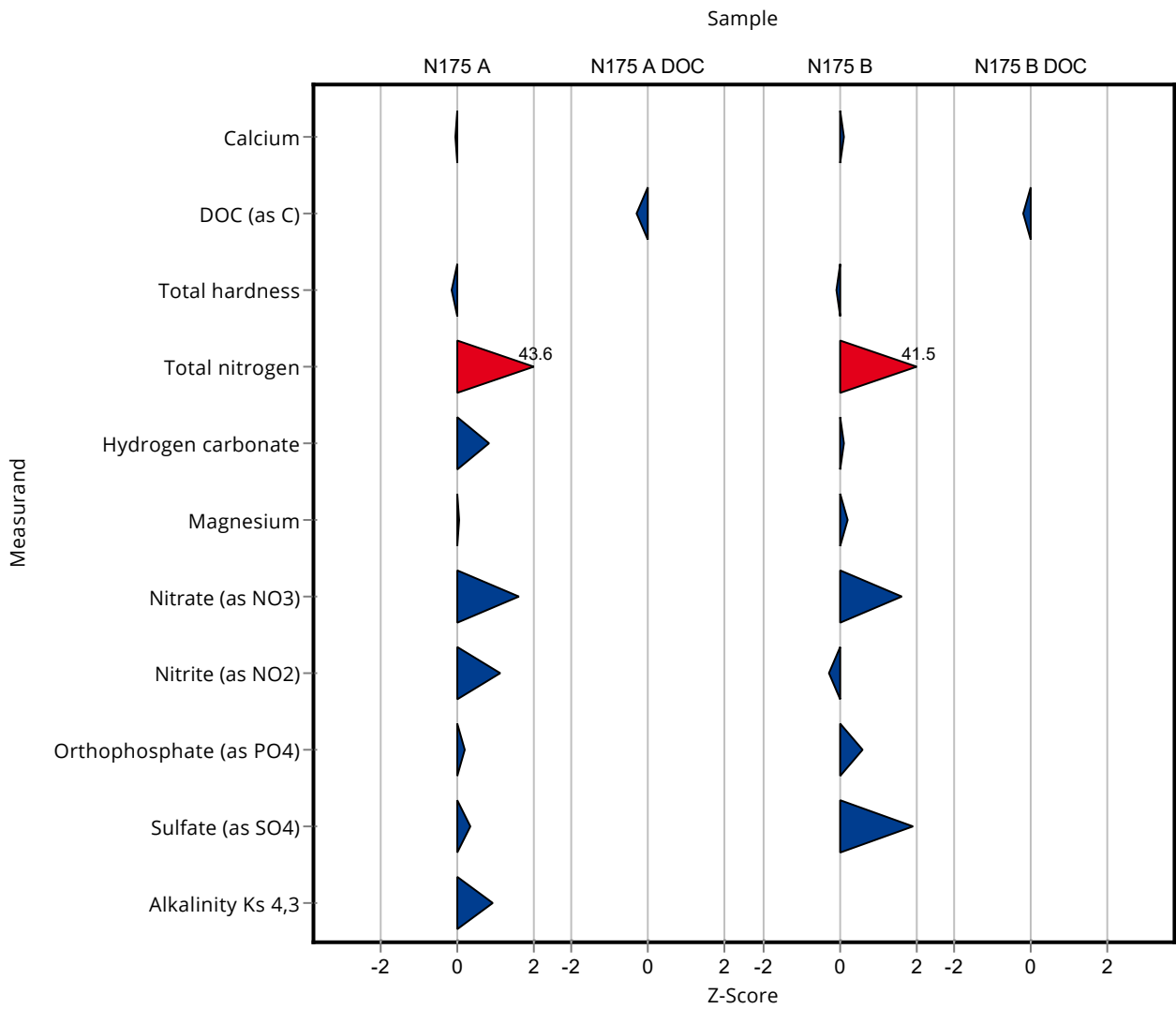
Summary of results Nutrients/Major Ions N175

Labcode: LC0041

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	- ± -	0.162	-	-
Total hardness	mmol/l	2.34 ± 0.0174	2.33 ± 0.93	0.0701	99.7	-0.10
Total nitrogen	mg/l	5.8 ± 0.138	25.8 ± 3.9	0.482	445	41.51
Hydrogen carbonate	mg/l	220 ± 0.967	221 ± 66	4.41	100	0.12
Potassium	mg/l	2.58 ± 0.0293	- ± -	0.134	-	-
Magnesium	mg/l	15.6 ± 0.182	15.7 ± 3.9	0.622	101	0.23
Sodium	mg/l	16.4 ± 0.195	- ± -	0.558	-	-
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	25.2 ± 3.8	1.16	108	1.65
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.668 ± 0.1	0.036	98.5	-0.29
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.409 ± 0.082	0.0629	110	0.62
pH-value	-	7.63 ± 0.0362	- ± -	0.153	-	-
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	34.1 ± 6.8	1.06	106	1.92
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	- ± -	0.0728	-	-

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.39 ± 1.4	0.346	97.9	-0.21



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	- ± -	0.00643	-	-
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	165 ± 41	5.12	99.9	0.00
Chloride	mg/l	102 ± 0.706	- ± -	4.07	-	-
El. conductivity (25°C)	µS/cm	1160 ± 3.02	- ± -	15.1	-	-
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	- ± -	0.0121	-	-
Total hardness	mmol/l	5.74 ± 0.0381	5.71 ± 2.3	0.172	99.5	-0.01
Total nitrogen	mg/l	2.96 ± 0.0892	13.7 ± 2.1	0.246	462	2.56
Hydrogen carbonate	mg/l	450 ± 1.44	457 ± 137	8.99	102	0.03
Potassium	mg/l	2.56 ± 0.0428	- ± -	0.133	-	-
Magnesium	mg/l	38.6 ± 0.337	38.7 ± 9.7	1.55	100	0.00
Sodium	mg/l	26.5 ± 0.22	- ± -	0.899	-	-
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	13.6 ± 2	0.629	108	0.25
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.0416 ± 0.0042	0.00298	109	0.40
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.0888 ± 0.018	0.0121	103	0.06
pH-value	-	7.54 ± 0.0389	- ± -	0.151	-	-
Sulfate (as SO ₄)	mg/l	106 ± 0.909	107 ± 21	3.49	101	0.03
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.53 ± 1.9	0.148	102	0.04

Sample: N175ADOC

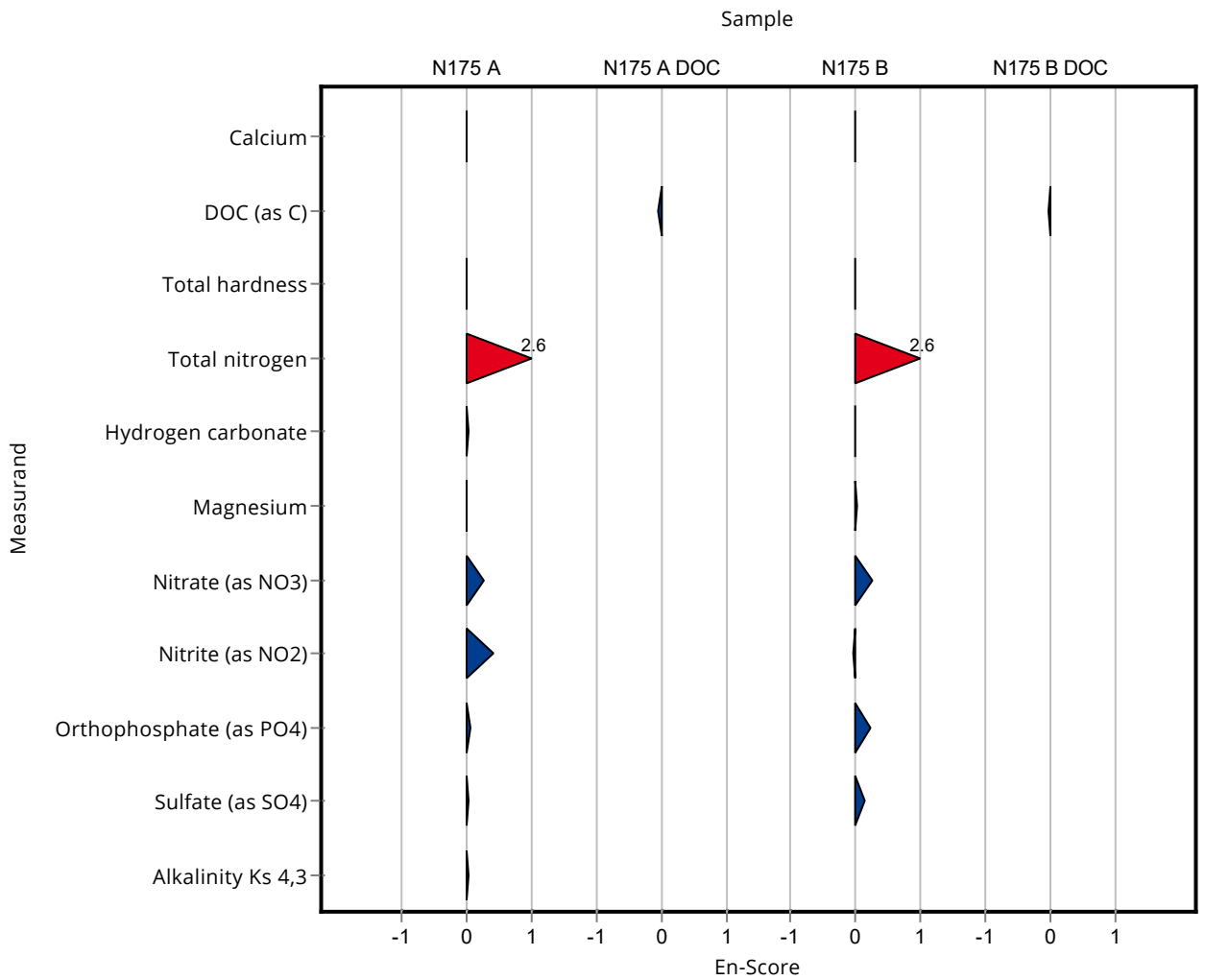
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.42 ± 0.57	0.193	95.8	-0.05

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	- ± -	0.0369	-	-
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	67.6 ± 17	2.09	100	0.01
Chloride	mg/l	29.3 ± 0.251	- ± -	1.17	-	-
El. conductivity (25°C)	µS/cm	533 ± 1.36	- ± -	6.93	-	-
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	- ± -	0.162	-	-
Total hardness	mmol/l	2.34 ± 0.0174	2.33 ± 0.93	0.0701	99.7	0.00
Total nitrogen	mg/l	5.8 ± 0.138	25.8 ± 3.9	0.482	445	2.56
Hydrogen carbonate	mg/l	220 ± 0.967	221 ± 66	4.41	100	0.00
Potassium	mg/l	2.58 ± 0.0293	- ± -	0.134	-	-
Magnesium	mg/l	15.6 ± 0.182	15.7 ± 3.9	0.622	101	0.02
Sodium	mg/l	16.4 ± 0.195	- ± -	0.558	-	-
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	25.2 ± 3.8	1.16	108	0.25
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.668 ± 0.1	0.036	98.5	-0.05
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.409 ± 0.082	0.0629	110	0.23
pH-value	-	7.63 ± 0.0362	- ± -	0.153	-	-
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	34.1 ± 6.8	1.06	106	0.15
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	- ± -	0.0728	-	-

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.39 ± 1.4	0.346	97.9	-0.03



Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.0265 ± 0.002	0.00643	78.3	-1.14
Boron	mg/l	0.0597 ± 0.00224	0.0523 ± 0.003	0.00657	87.6	-1.13
Calcium	mg/l	165 ± 1.53	157 ± 6.64	5.12	95.1	-1.60
Chloride	mg/l	102 ± 0.706	103 ± 0.81	4.07	101	0.32
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1177 ± 5.16	15.1	101	0.90
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.0765 ± 0.005	0.0121	47.4	-7.01
Total hardness	mmol/l	5.74 ± 0.0381	5.31 ± 0.212	0.172	92.6	-2.48
Total nitrogen	mg/l	2.96 ± 0.0892	2.67 ± 0.061	0.246	90.1	-1.20
Hydrogen carbonate	mg/l	450 ± 1.44	434 ± 21.7	8.99	96.5	-1.73
Potassium	mg/l	2.56 ± 0.0428	2.78 ± 0.118	0.133	108	1.62
Magnesium	mg/l	38.6 ± 0.337	33.9 ± 1.05	1.55	87.8	-3.06
Sodium	mg/l	26.5 ± 0.22	25 ± 1.33	0.899	94.5	-1.62
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	13.6 ± 0.057	0.629	108	1.61
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.0123 ± 0.001	0.00298	32.2	-8.69
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.0595 ± 0.008	0.0121	68.7	-2.23
pH-value	-	7.54 ± 0.0389	7.75 ± 0.024	0.151	103	1.38
Sulfate (as SO ₄)	mg/l	106 ± 0.909	111 ± 1.2	3.49	105	1.48
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.16 ± 0.356	0.148	96.9	-1.56

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.46 ± 0.054	0.193	98.5	-0.11

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.265 ± 0.016	0.0369	86.3	-1.15
Boron	mg/l	0.0176 ± 0.00104	0.0182 ± 0.001	0.00211	104	0.31
Calcium	mg/l	67.4 ± 0.625	61.1 ± 2.58	2.09	90.6	-3.02
Chloride	mg/l	29.3 ± 0.251	29.8 ± 0.235	1.17	102	0.46
El. conductivity (25°C)	µS/cm	533 ± 1.36	539 ± 2.36	6.93	101	0.83

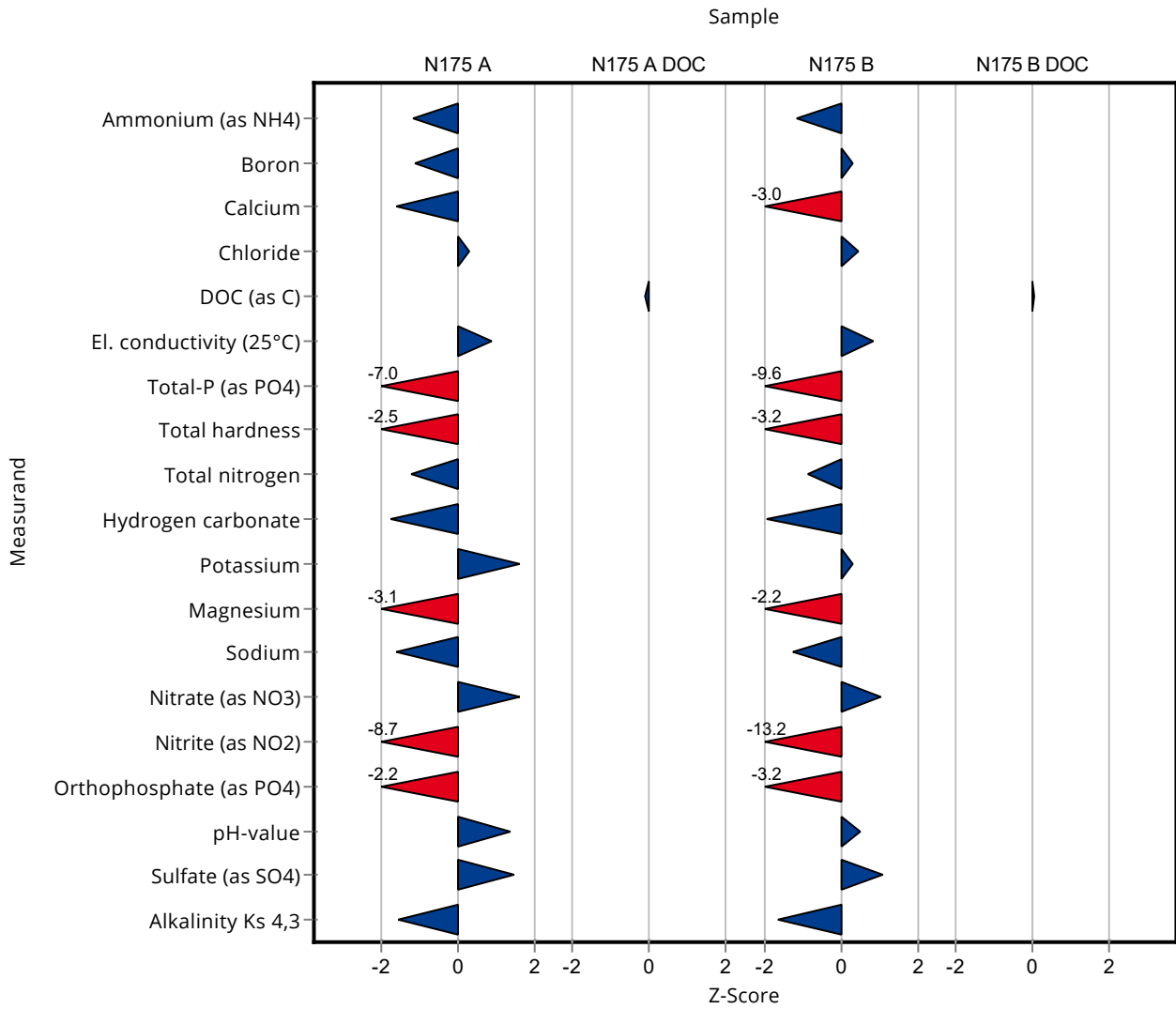
Summary of results Nutrients/Major Ions N175

Labcode: LC0042

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	0.603 ± 0.039	0.162	27.8	-9.62
Total hardness	mmol/l	2.34 ± 0.0174	2.11 ± 0.0844	0.0701	90.3	-3.24
Total nitrogen	mg/l	5.8 ± 0.138	5.38 ± 0.117	0.482	92.7	-0.88
Hydrogen carbonate	mg/l	220 ± 0.967	212 ± 10.6	4.41	96.2	-1.92
Potassium	mg/l	2.58 ± 0.0293	2.62 ± 0.111	0.134	102	0.31
Magnesium	mg/l	15.6 ± 0.182	14.2 ± 0.437	0.622	91.3	-2.18
Sodium	mg/l	16.4 ± 0.195	15.7 ± 0.834	0.558	95.7	-1.25
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	24.5 ± 0.173	1.16	105	1.05
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.202 ± 0.009	0.036	29.8	-13.25
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.166 ± 0.022	0.0629	44.8	-3.25
pH-value	-	7.63 ± 0.0362	7.71 ± 0.024	0.153	101	0.51
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	33.2 ± 0.359	1.06	104	1.07
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.52 ± 0.176	0.0728	96.7	-1.64

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.48 ± 0.129	0.346	101	0.05



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.0265 ± 0.002	0.00643	78.3	-1.61
Boron	mg/l	0.0597 ± 0.00224	0.0523 ± 0.003	0.00657	87.6	-1.16
Calcium	mg/l	165 ± 1.53	157 ± 6.64	5.12	95.1	-0.61
Chloride	mg/l	102 ± 0.706	103 ± 0.81	4.07	101	0.73
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1177 ± 5.16	15.1	101	1.27
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.0765 ± 0.005	0.0121	47.4	-8.02
Total hardness	mmol/l	5.74 ± 0.0381	5.31 ± 0.212	0.172	92.6	-1.00
Total nitrogen	mg/l	2.96 ± 0.0892	2.67 ± 0.061	0.246	90.1	-1.95
Hydrogen carbonate	mg/l	450 ± 1.44	434 ± 21.7	8.99	96.5	-0.36
Potassium	mg/l	2.56 ± 0.0428	2.78 ± 0.118	0.133	108	0.90
Magnesium	mg/l	38.6 ± 0.337	33.9 ± 1.05	1.55	87.8	-2.22
Sodium	mg/l	26.5 ± 0.22	25 ± 1.33	0.899	94.5	-0.55
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	13.6 ± 0.057	0.629	108	5.38
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.0123 ± 0.001	0.00298	32.2	-11.56
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.0595 ± 0.008	0.0121	68.7	-1.63
pH-value	-	7.54 ± 0.0389	7.75 ± 0.024	0.151	103	3.38
Sulfate (as SO ₄)	mg/l	106 ± 0.909	111 ± 1.2	3.49	105	2.01
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.16 ± 0.356	0.148	96.9	-0.32

Sample: N175ADOC

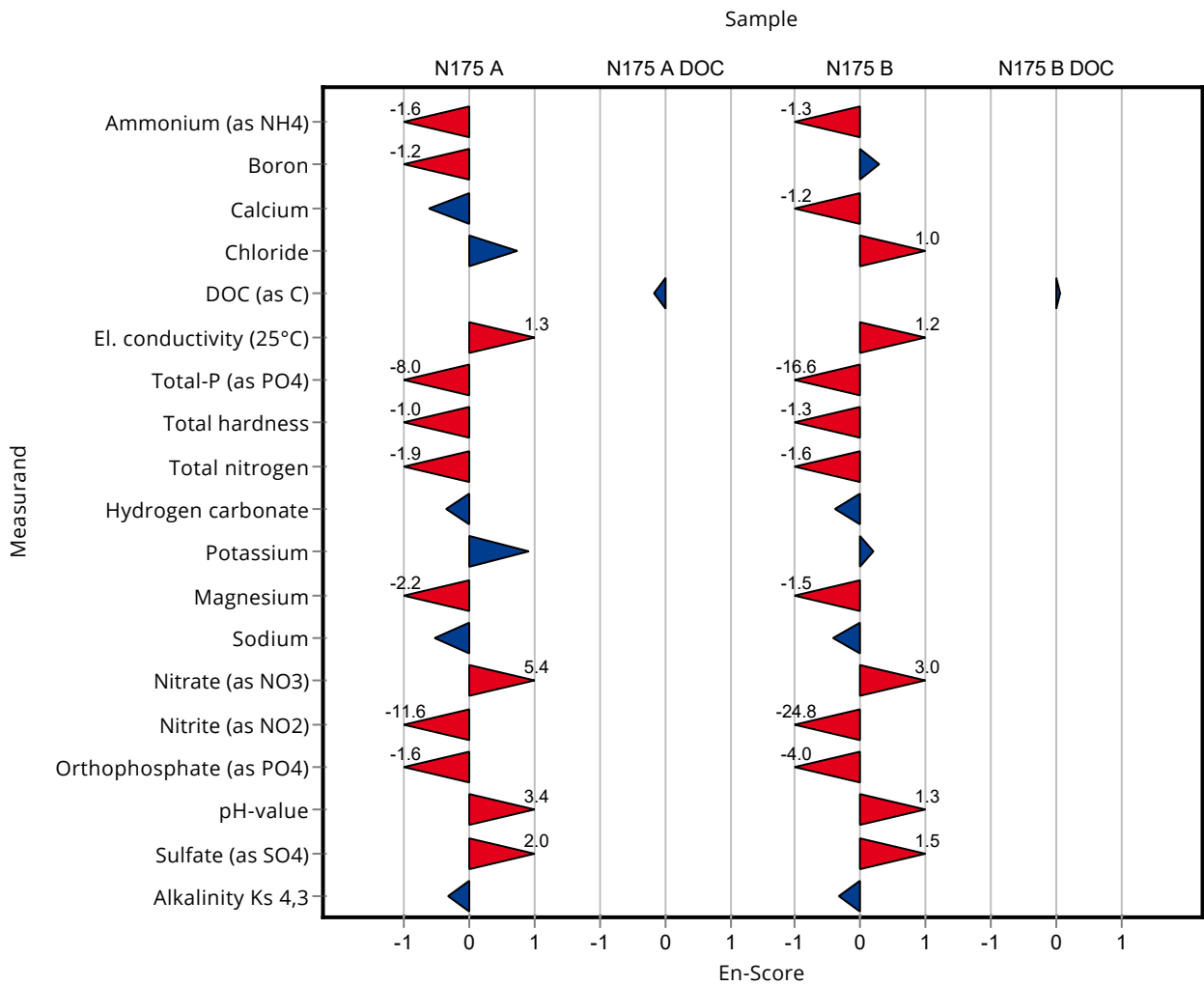
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.46 ± 0.054	0.193	98.5	-0.17

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.265 ± 0.016	0.0369	86.3	-1.29
Boron	mg/l	0.0176 ± 0.00104	0.0182 ± 0.001	0.00211	104	0.29
Calcium	mg/l	67.4 ± 0.625	61.1 ± 2.58	2.09	90.6	-1.21
Chloride	mg/l	29.3 ± 0.251	29.8 ± 0.235	1.17	102	1.00
El. conductivity (25°C)	µS/cm	533 ± 1.36	539 ± 2.36	6.93	101	1.17
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	0.603 ± 0.039	0.162	27.8	-16.63
Total hardness	mmol/l	2.34 ± 0.0174	2.11 ± 0.0844	0.0701	90.3	-1.34
Total nitrogen	mg/l	5.8 ± 0.138	5.38 ± 0.117	0.482	92.7	-1.56
Hydrogen carbonate	mg/l	220 ± 0.967	212 ± 10.6	4.41	96.2	-0.40
Potassium	mg/l	2.58 ± 0.0293	2.62 ± 0.111	0.134	102	0.18
Magnesium	mg/l	15.6 ± 0.182	14.2 ± 0.437	0.622	91.3	-1.52
Sodium	mg/l	16.4 ± 0.195	15.7 ± 0.834	0.558	95.7	-0.42
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	24.5 ± 0.173	1.16	105	2.98
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.202 ± 0.009	0.036	29.8	-24.75
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.166 ± 0.022	0.0629	44.8	-4.02
pH-value	-	7.63 ± 0.0362	7.71 ± 0.024	0.153	101	1.29
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	33.2 ± 0.359	1.06	104	1.47
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.52 ± 0.176	0.0728	96.7	-0.34

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.48 ± 0.129	0.346	101	0.07



Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	<0.05 (LOQ) ± -	0.00643	-	-
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	- ± -	5.12	-	-
Chloride	mg/l	102 ± 0.706	- ± -	4.07	-	-
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1170 ± 12	15.1	101	0.44
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	- ± -	0.0121	-	-
Total hardness	mmol/l	5.74 ± 0.0381	- ± -	0.172	-	-
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	- ± -	8.99	-	-
Potassium	mg/l	2.56 ± 0.0428	- ± -	0.133	-	-
Magnesium	mg/l	38.6 ± 0.337	- ± -	1.55	-	-
Sodium	mg/l	26.5 ± 0.22	- ± -	0.899	-	-
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	- ± -	0.629	-	-
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	- ± -	0.00298	-	-
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	- ± -	0.0121	-	-
pH-value	-	7.54 ± 0.0389	7.2 ± 0.11	0.151	95.5	-2.26
Sulfate (as SO ₄)	mg/l	106 ± 0.909	- ± -	3.49	-	-
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.3 ± 0.29	0.148	98.8	-0.62

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	2.2 ± 0.23	0.193	148	3.73

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.3 ± 0.023	0.0369	97.6	-0.20
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	- ± -	2.09	-	-
Chloride	mg/l	29.3 ± 0.251	- ± -	1.17	-	-
El. conductivity (25°C)	µS/cm	533 ± 1.36	534 ± 5.3	6.93	100	0.11

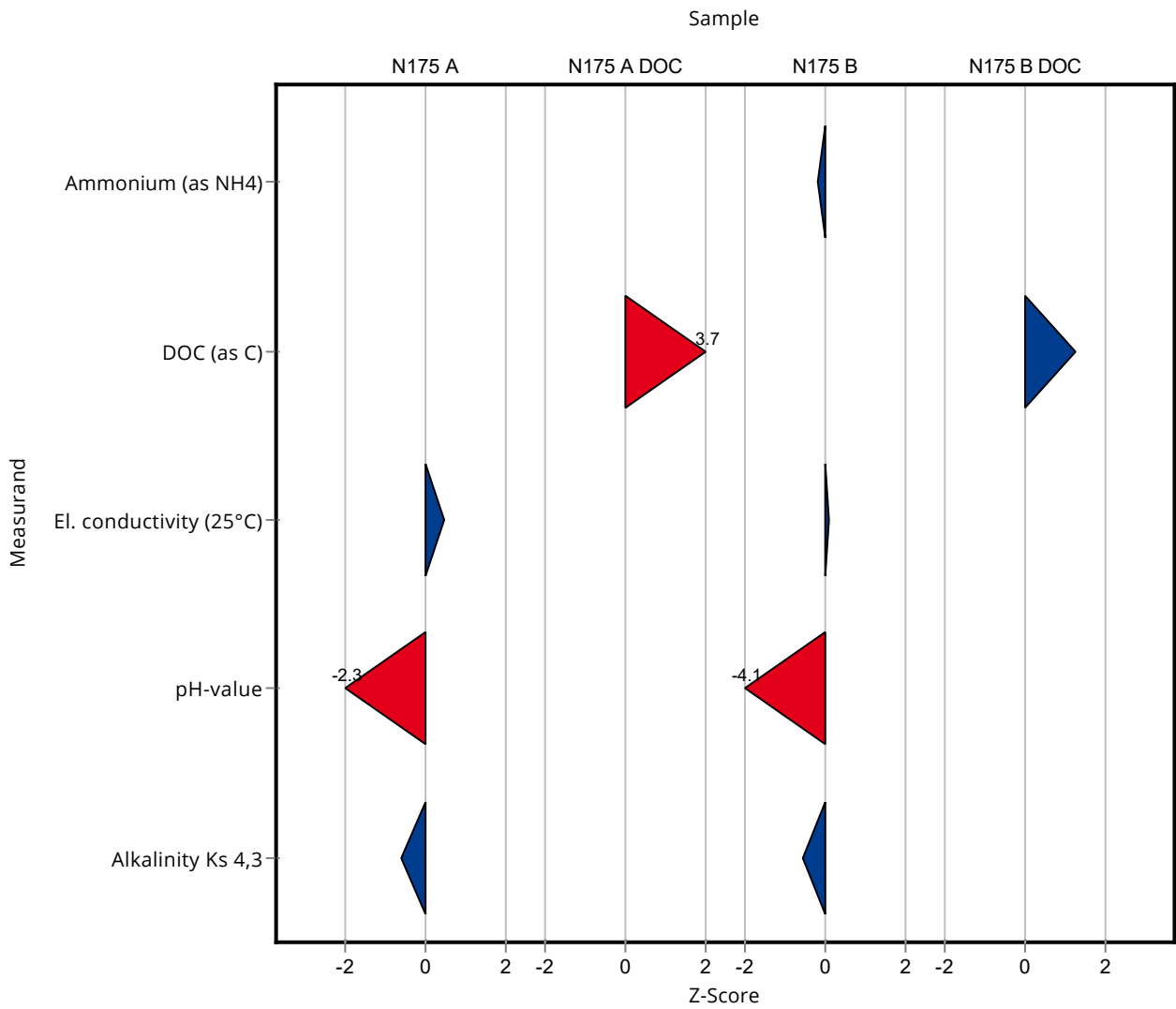
Summary of results Nutrients/Major Ions N175

Labcode: LC0043

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	- ± -	0.162	-	-
Total hardness	mmol/l	2.34 ± 0.0174	- ± -	0.0701	-	-
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	- ± -	4.41	-	-
Potassium	mg/l	2.58 ± 0.0293	- ± -	0.134	-	-
Magnesium	mg/l	15.6 ± 0.182	- ± -	0.622	-	-
Sodium	mg/l	16.4 ± 0.195	- ± -	0.558	-	-
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	- ± -	1.16	-	-
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	- ± -	0.036	-	-
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	- ± -	0.0629	-	-
pH-value	-	7.63 ± 0.0362	7 ± 0.11	0.153	91.7	-4.14
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	- ± -	1.06	-	-
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.6 ± 0.14	0.0728	98.9	-0.54

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.9 ± 0.41	0.346	113	1.26



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	<0.05 (LOQ) ± -	0.00643	-	-
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	- ± -	5.12	-	-
Chloride	mg/l	102 ± 0.706	- ± -	4.07	-	-
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1170 ± 12	15.1	101	0.27
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	- ± -	0.0121	-	-
Total hardness	mmol/l	5.74 ± 0.0381	- ± -	0.172	-	-
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	- ± -	8.99	-	-
Potassium	mg/l	2.56 ± 0.0428	- ± -	0.133	-	-
Magnesium	mg/l	38.6 ± 0.337	- ± -	1.55	-	-
Sodium	mg/l	26.5 ± 0.22	- ± -	0.899	-	-
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	- ± -	0.629	-	-
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	- ± -	0.00298	-	-
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	- ± -	0.0121	-	-
pH-value	-	7.54 ± 0.0389	7.2 ± 0.11	0.151	95.5	-1.53
Sulfate (as SO ₄)	mg/l	106 ± 0.909	- ± -	3.49	-	-
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.3 ± 0.29	0.148	98.8	-0.16

Sample: N175ADOC

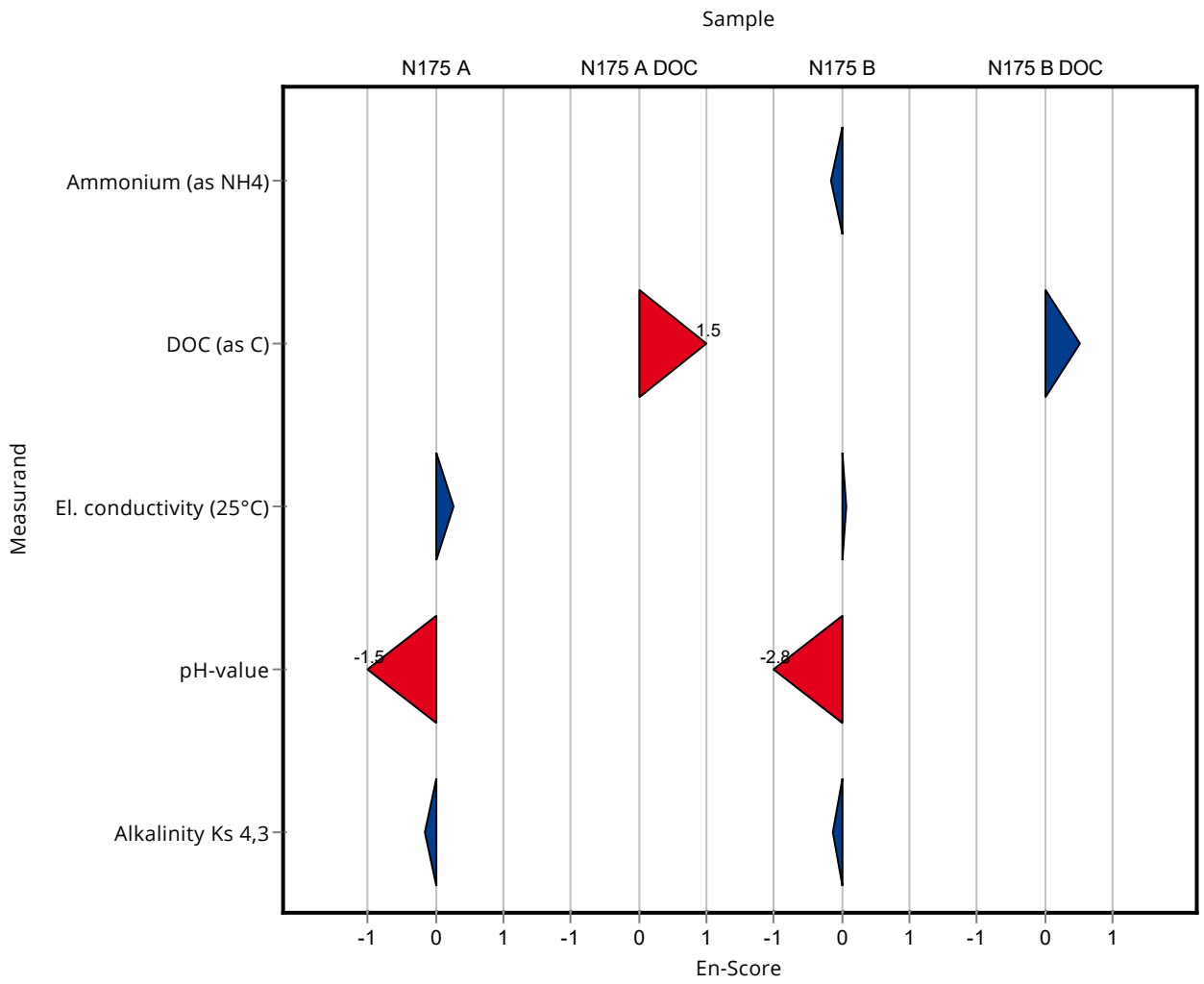
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	2.2 ± 0.23	0.193	148	1.55

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.3 ± 0.023	0.0369	97.6	-0.16
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	- ± -	2.09	-	-
Chloride	mg/l	29.3 ± 0.251	- ± -	1.17	-	-
El. conductivity (25°C)	µS/cm	533 ± 1.36	534 ± 5.3	6.93	100	0.07
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	- ± -	0.162	-	-
Total hardness	mmol/l	2.34 ± 0.0174	- ± -	0.0701	-	-
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	- ± -	4.41	-	-
Potassium	mg/l	2.58 ± 0.0293	- ± -	0.134	-	-
Magnesium	mg/l	15.6 ± 0.182	- ± -	0.622	-	-
Sodium	mg/l	16.4 ± 0.195	- ± -	0.558	-	-
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	- ± -	1.16	-	-
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	- ± -	0.036	-	-
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	- ± -	0.0629	-	-
pH-value	-	7.63 ± 0.0362	7 ± 0.11	0.153	91.7	-2.84
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	- ± -	1.06	-	-
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.6 ± 0.14	0.0728	98.9	-0.14

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.9 ± 0.41	0.346	113	0.53



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	<0.022 (LOQ) ± -	0.00643	-	-
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	- ± -	5.12	-	-
Chloride	mg/l	102 ± 0.706	- ± -	4.07	-	-
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1161 ± 13.35	15.1	99.8	-0.16
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.155 ± 0.0097	0.0121	96	-0.53
Total hardness	mmol/l	5.74 ± 0.0381	- ± -	0.172	-	-
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	- ± -	8.99	-	-
Potassium	mg/l	2.56 ± 0.0428	- ± -	0.133	-	-
Magnesium	mg/l	38.6 ± 0.337	- ± -	1.55	-	-
Sodium	mg/l	26.5 ± 0.22	- ± -	0.899	-	-
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	11.54 ± 0.8251	0.629	91.7	-1.66
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.041 ± 0.0026	0.00298	107	0.95
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.0957 ± 0.0136	0.0121	111	0.75
pH-value	-	7.54 ± 0.0389	7.53 ± 0.0452	0.151	99.9	-0.07
Sulfate (as SO ₄)	mg/l	106 ± 0.909	- ± -	3.49	-	-
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.395 ± 0.1516	0.148	100	0.02

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.445 ± 0.0665	0.193	97.5	-0.19

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.2963 ± 0.0234	0.0369	96.4	-0.30
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	- ± -	2.09	-	-
Chloride	mg/l	29.3 ± 0.251	- ± -	1.17	-	-
El. conductivity (25°C)	µS/cm	533 ± 1.36	530 ± 6.095	6.93	99.4	-0.47

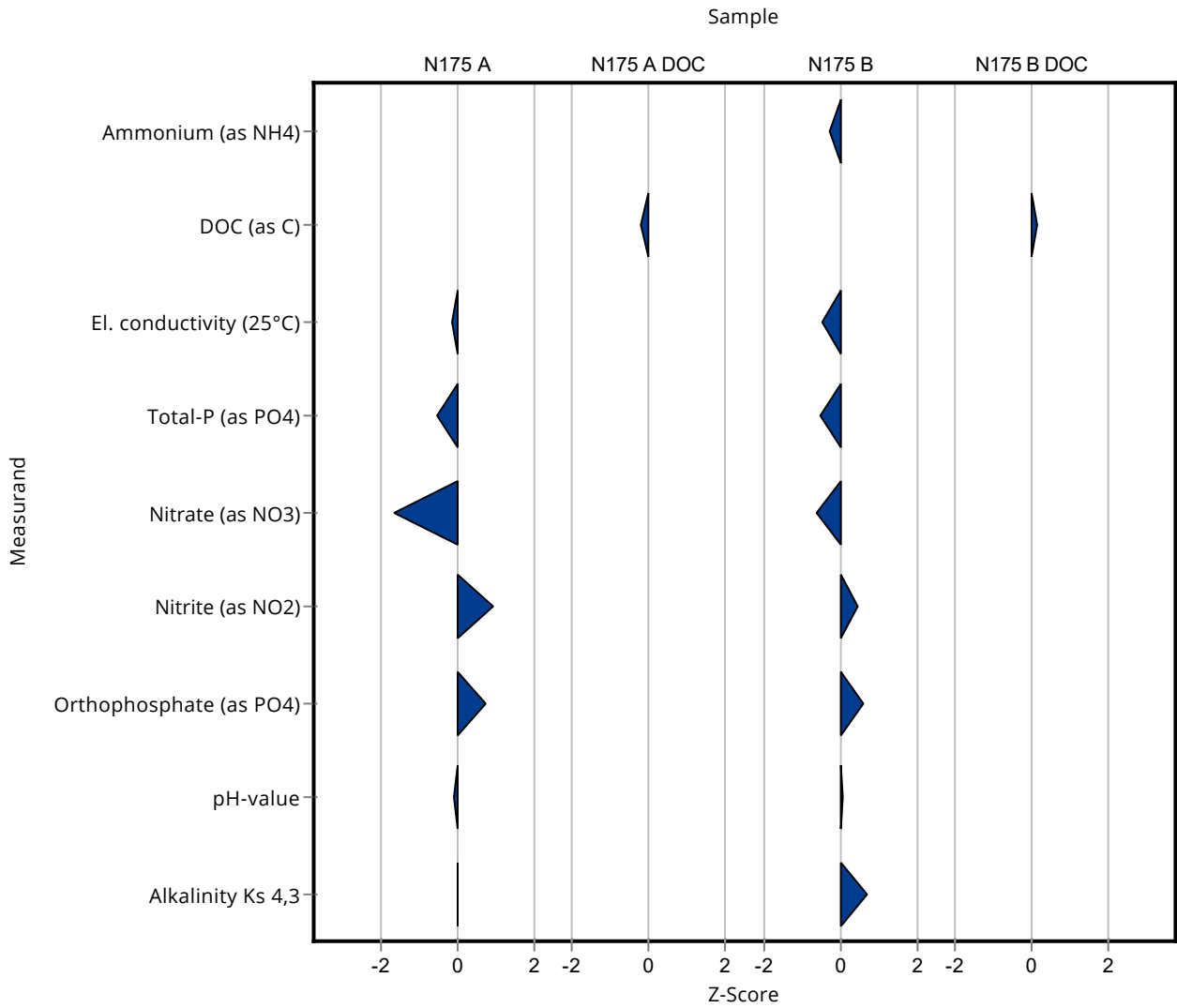
Summary of results Nutrients/Major Ions N175

Labcode: LC0044

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	2.077 ± 0.1298	0.162	95.9	-0.54
Total hardness	mmol/l	2.34 ± 0.0174	- ± -	0.0701	-	-
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	- ± -	4.41	-	-
Potassium	mg/l	2.58 ± 0.0293	- ± -	0.134	-	-
Magnesium	mg/l	15.6 ± 0.182	- ± -	0.622	-	-
Sodium	mg/l	16.4 ± 0.195	- ± -	0.558	-	-
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	22.56 ± 1.613	1.16	96.9	-0.62
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.6943 ± 0.0448	0.036	102	0.44
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.4075 ± 0.0581	0.0629	110	0.59
pH-value	-	7.63 ± 0.0362	7.64 ± 0.0458	0.153	100	0.05
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	- ± -	1.06	-	-
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.69 ± 0.0756	0.0728	101	0.70

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.504 ± 0.1612	0.346	101	0.12



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	<0.022 (LOQ) ± -	0.00643	-	-
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	- ± -	5.12	-	-
Chloride	mg/l	102 ± 0.706	- ± -	4.07	-	-
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1161 ± 13.35	15.1	99.8	-0.09
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.155 ± 0.0097	0.0121	96	-0.33
Total hardness	mmol/l	5.74 ± 0.0381	- ± -	0.172	-	-
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	- ± -	8.99	-	-
Potassium	mg/l	2.56 ± 0.0428	- ± -	0.133	-	-
Magnesium	mg/l	38.6 ± 0.337	- ± -	1.55	-	-
Sodium	mg/l	26.5 ± 0.22	- ± -	0.899	-	-
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	11.54 ± 0.8251	0.629	91.7	-0.63
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.041 ± 0.0026	0.00298	107	0.53
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.0957 ± 0.0136	0.0121	111	0.33
pH-value	-	7.54 ± 0.0389	7.53 ± 0.0452	0.151	99.9	-0.11
Sulfate (as SO ₄)	mg/l	106 ± 0.909	- ± -	3.49	-	-
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.395 ± 0.1516	0.148	100	0.01

Sample: N175ADOC

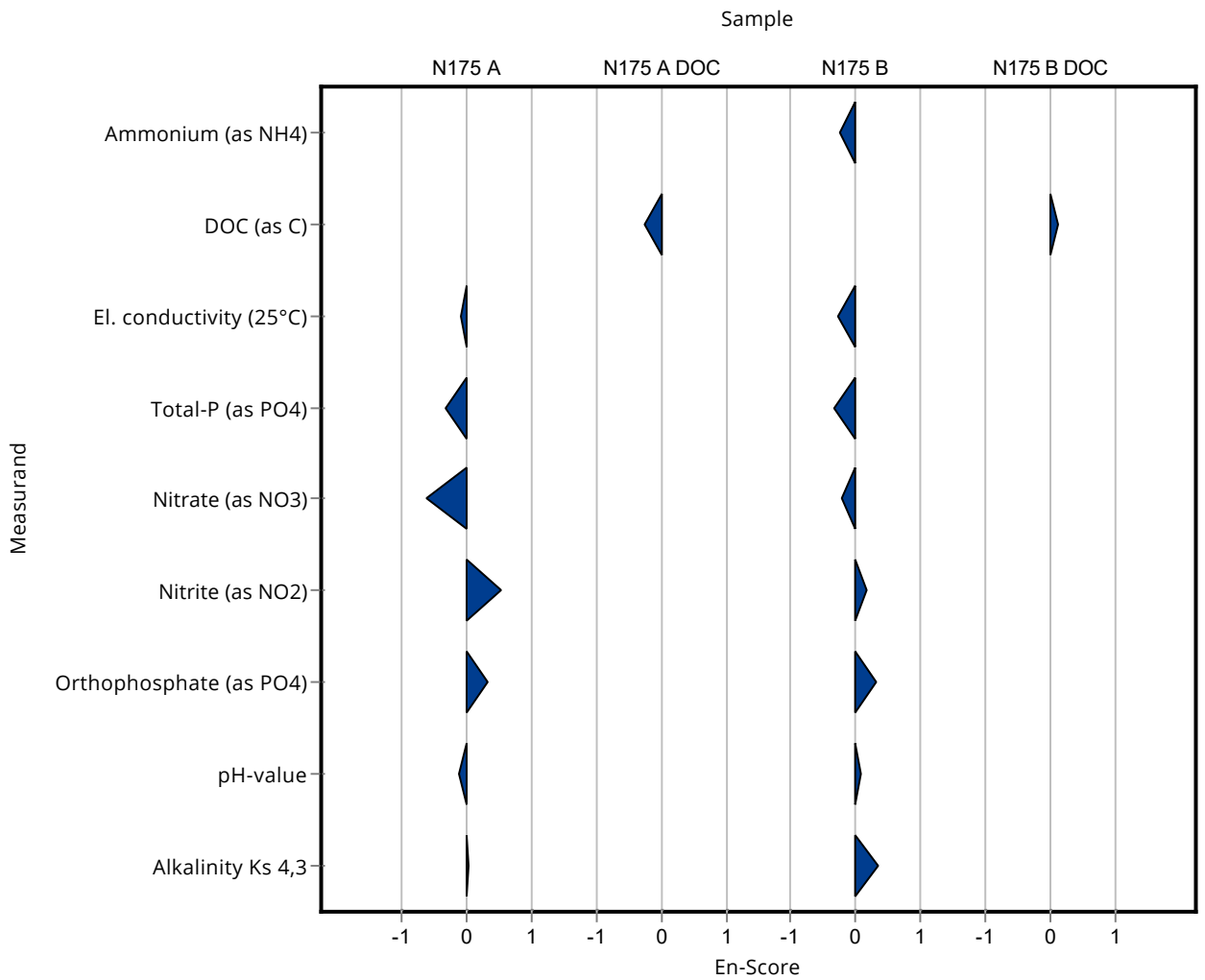
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.445 ± 0.0665	0.193	97.5	-0.25

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.2963 ± 0.0234	0.0369	96.4	-0.23
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	- ± -	2.09	-	-
Chloride	mg/l	29.3 ± 0.251	- ± -	1.17	-	-
El. conductivity (25°C)	µS/cm	533 ± 1.36	530 ± 6.095	6.93	99.4	-0.26
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	2.077 ± 0.1298	0.162	95.9	-0.33
Total hardness	mmol/l	2.34 ± 0.0174	- ± -	0.0701	-	-
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	- ± -	4.41	-	-
Potassium	mg/l	2.58 ± 0.0293	- ± -	0.134	-	-
Magnesium	mg/l	15.6 ± 0.182	- ± -	0.622	-	-
Sodium	mg/l	16.4 ± 0.195	- ± -	0.558	-	-
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	22.56 ± 1.613	1.16	96.9	-0.22
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.6943 ± 0.0448	0.036	102	0.18
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.4075 ± 0.0581	0.0629	110	0.31
pH-value	-	7.63 ± 0.0362	7.64 ± 0.0458	0.153	100	0.07
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	- ± -	1.06	-	-
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.69 ± 0.0756	0.0728	101	0.33

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.504 ± 0.1612	0.346	101	0.13



Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.07 ± 0.001659	0.00643	207	5.62
Boron	mg/l	0.0597 ± 0.00224	0.0561 ± 0.005526	0.00657	94	-0.55
Calcium	mg/l	165 ± 1.53	156 ± 11.0604	5.12	94.4	-1.79
Chloride	mg/l	102 ± 0.706	89.9 ± 6.18512	4.07	88.4	-2.90
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1112.2 ± 13.01274	15.1	95.6	-3.38
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.171 ± 0.021101	0.0121	106	0.79
Total hardness	mmol/l	5.74 ± 0.0381	- ± -	0.172	-	-
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	- ± -	8.99	-	-
Potassium	mg/l	2.56 ± 0.0428	3.49 ± 0.326664	0.133	136	6.94
Magnesium	mg/l	38.6 ± 0.337	52 ± 2.7508	1.55	135	8.66
Sodium	mg/l	26.5 ± 0.22	27.5 ± 2.057	0.899	104	1.16
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12.65 ± 0.256795	0.629	101	0.10
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.05 ± 0.002695	0.00298	131	3.97
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	- ± -	0.0121	-	-
pH-value	-	7.54 ± 0.0389	7.36 ± 0.09936	0.151	97.6	-1.20
Sulfate (as SO ₄)	mg/l	106 ± 0.909	100 ± 3.86	3.49	94.5	-1.67
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.56 ± 0.07938	0.148	102	1.14

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	- ± -	0.193	-	-

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.35 ± 0.008295	0.0369	114	1.16
Boron	mg/l	0.0176 ± 0.00104	0.0389 ± 0.003832	0.00211	222	10.13
Calcium	mg/l	67.4 ± 0.625	63.5 ± 4.50215	2.09	94.2	-1.87
Chloride	mg/l	29.3 ± 0.251	28.75 ± 1.978	1.17	98.2	-0.44
El. conductivity (25°C)	µS/cm	533 ± 1.36	527.2 ± 6.16824	6.93	98.9	-0.87

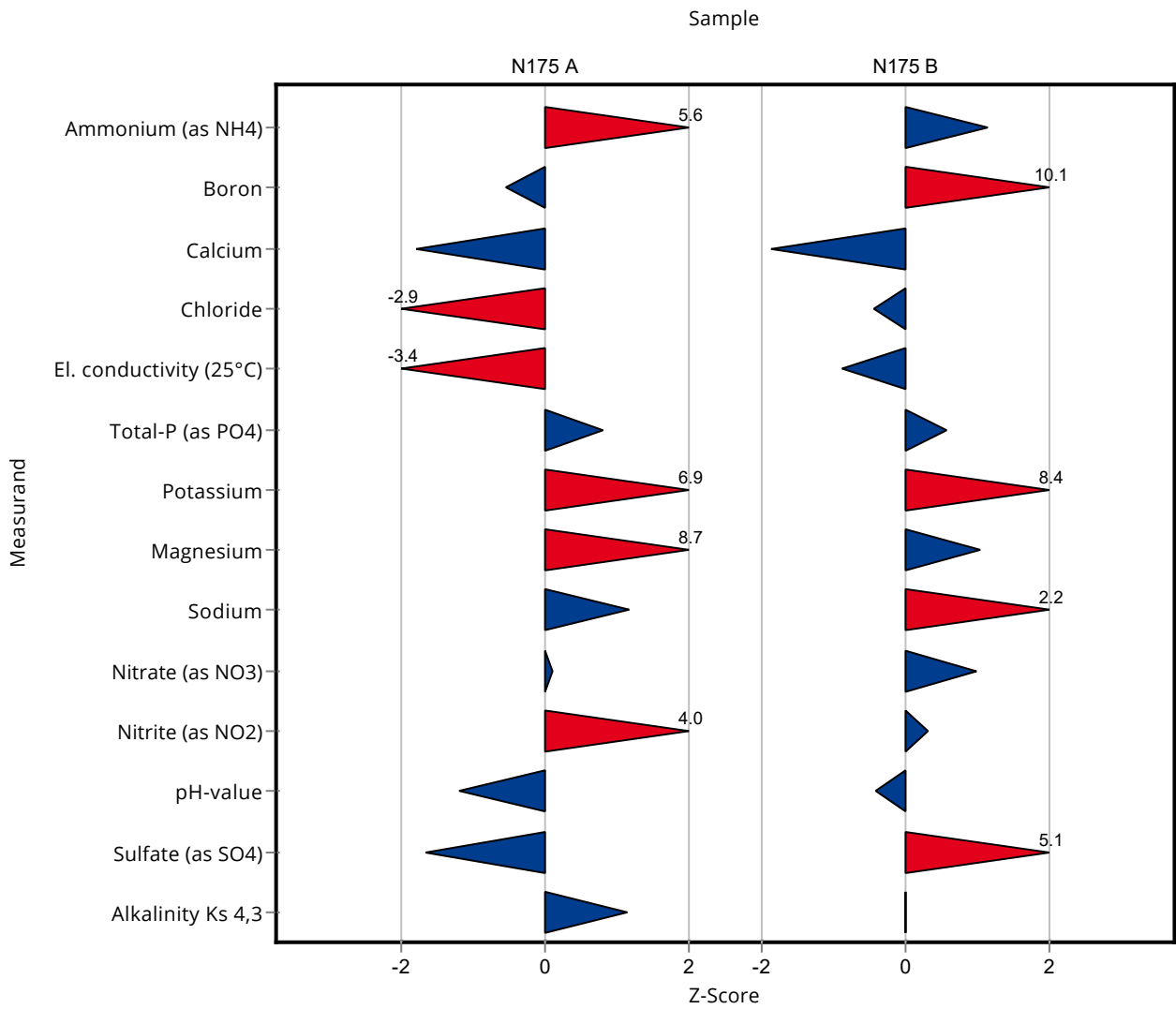
Summary of results Nutrients/Major Ions N175

Labcode: LC0045

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	2.26 ± 0.278884	0.162	104	0.58
Total hardness	mmol/l	2.34 ± 0.0174	- ± -	0.0701	-	-
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	- ± -	4.41	-	-
Potassium	mg/l	2.58 ± 0.0293	3.71 ± 0.347256	0.134	144	8.44
Magnesium	mg/l	15.6 ± 0.182	16.2 ± 0.85698	0.622	104	1.03
Sodium	mg/l	16.4 ± 0.195	17.6 ± 1.31648	0.558	107	2.15
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	24.45 ± 0.496335	1.16	105	1.00
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.69 ± 0.037191	0.036	102	0.32
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	- ± -	0.0629	-	-
pH-value	-	7.63 ± 0.0362	7.57 ± 0.102195	0.153	99.2	-0.41
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	37.5 ± 1.4475	1.06	117	5.13
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.64 ± 0.03822	0.0728	100	0.01

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	- ± -	0.346	-	-



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.07 ± 0.001659	0.00643	207	9.11
Boron	mg/l	0.0597 ± 0.00224	0.0561 ± 0.005526	0.00657	94	-0.32
Calcium	mg/l	165 ± 1.53	156 ± 11.0604	5.12	94.4	-0.41
Chloride	mg/l	102 ± 0.706	89.9 ± 6.18512	4.07	88.4	-0.95
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1112.2 ± 13.01274	15.1	95.6	-1.95
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.171 ± 0.021101	0.0121	106	0.23
Total hardness	mmol/l	5.74 ± 0.0381	- ± -	0.172	-	-
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	- ± -	8.99	-	-
Potassium	mg/l	2.56 ± 0.0428	3.49 ± 0.326664	0.133	136	1.41
Magnesium	mg/l	38.6 ± 0.337	52 ± 2.7508	1.55	135	2.43
Sodium	mg/l	26.5 ± 0.22	27.5 ± 2.057	0.899	104	0.25
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12.65 ± 0.256795	0.629	101	0.12
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.05 ± 0.002695	0.00298	131	2.16
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	- ± -	0.0121	-	-
pH-value	-	7.54 ± 0.0389	7.36 ± 0.09936	0.151	97.6	-0.90
Sulfate (as SO ₄)	mg/l	106 ± 0.909	100 ± 3.86	3.49	94.5	-0.75
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.56 ± 0.07938	0.148	102	1.05

Sample: N175ADOC

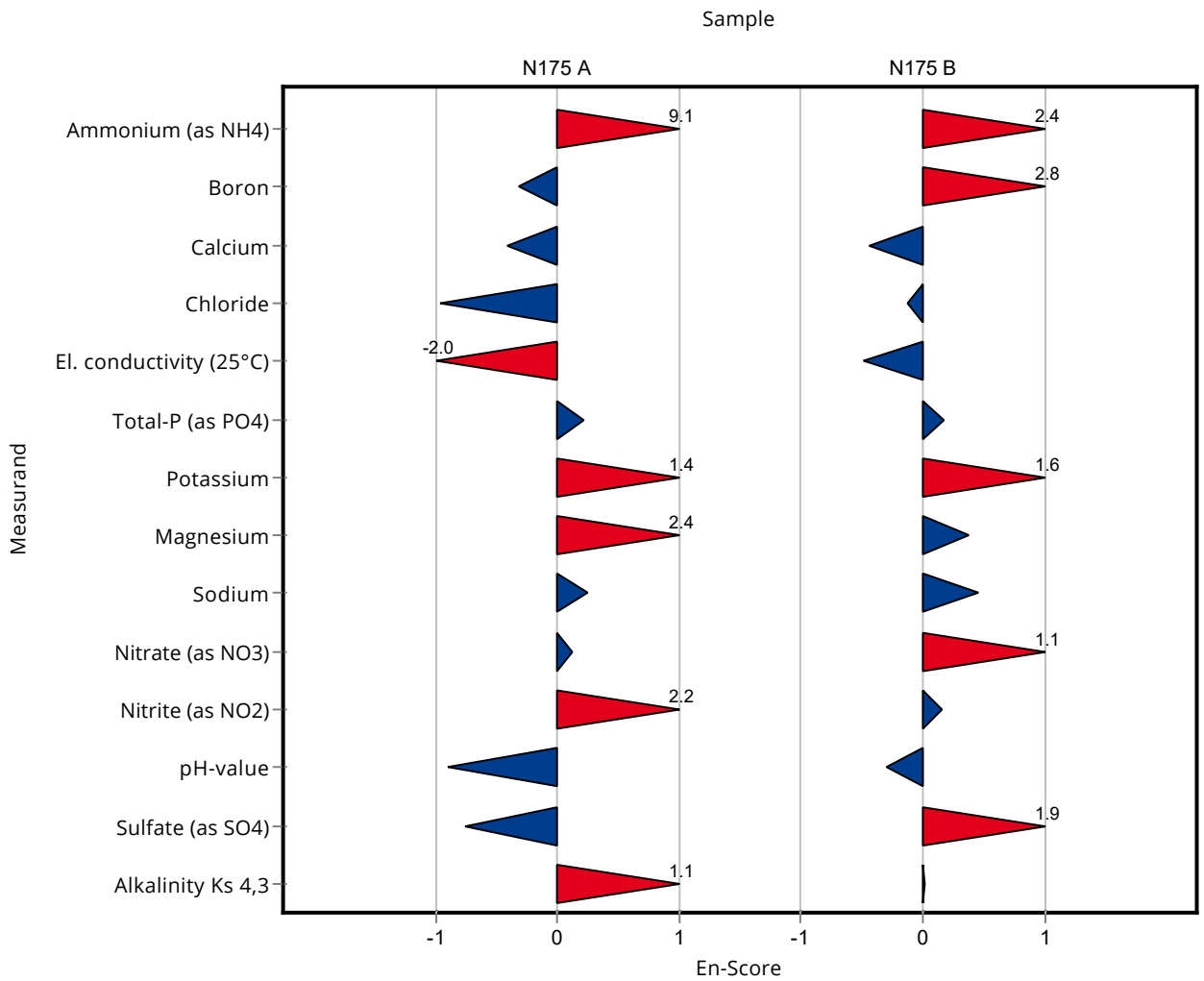
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	- ± -	0.193	-	-

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.35 ± 0.008295	0.0369	114	2.39
Boron	mg/l	0.0176 ± 0.00104	0.0389 ± 0.003832	0.00211	222	2.76
Calcium	mg/l	67.4 ± 0.625	63.5 ± 4.50215	2.09	94.2	-0.43
Chloride	mg/l	29.3 ± 0.251	28.75 ± 1.978	1.17	98.2	-0.13
El. conductivity (25°C)	µS/cm	533 ± 1.36	527.2 ± 6.16824	6.93	98.9	-0.49
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	2.26 ± 0.278884	0.162	104	0.17
Total hardness	mmol/l	2.34 ± 0.0174	- ± -	0.0701	-	-
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	- ± -	4.41	-	-
Potassium	mg/l	2.58 ± 0.0293	3.71 ± 0.347256	0.134	144	1.63
Magnesium	mg/l	15.6 ± 0.182	16.2 ± 0.85698	0.622	104	0.37
Sodium	mg/l	16.4 ± 0.195	17.6 ± 1.31648	0.558	107	0.45
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	24.45 ± 0.496335	1.16	105	1.15
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.69 ± 0.037191	0.036	102	0.16
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	- ± -	0.0629	-	-
pH-value	-	7.63 ± 0.0362	7.57 ± 0.102195	0.153	99.2	-0.30
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	37.5 ± 1.4475	1.06	117	1.87
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.64 ± 0.03822	0.0728	100	0.01

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	- ± -	0.346	-	-



Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	- ± -	0.00643	-	-
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	- ± -	5.12	-	-
Chloride	mg/l	102 ± 0.706	- ± -	4.07	-	-
El. conductivity (25°C)	µS/cm	1160 ± 3.02	- ± -	15.1	-	-
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	- ± -	0.0121	-	-
Total hardness	mmol/l	5.74 ± 0.0381	- ± -	0.172	-	-
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	- ± -	8.99	-	-
Potassium	mg/l	2.56 ± 0.0428	- ± -	0.133	-	-
Magnesium	mg/l	38.6 ± 0.337	- ± -	1.55	-	-
Sodium	mg/l	26.5 ± 0.22	- ± -	0.899	-	-
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	- ± -	0.629	-	-
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	- ± -	0.00298	-	-
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	- ± -	0.0121	-	-
pH-value	-	7.54 ± 0.0389	- ± -	0.151	-	-
Sulfate (as SO ₄)	mg/l	106 ± 0.909	- ± -	3.49	-	-
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.6475 ± 0.27	0.148	103	1.73

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	- ± -	0.193	-	-

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	- ± -	0.0369	-	-
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	- ± -	2.09	-	-
Chloride	mg/l	29.3 ± 0.251	- ± -	1.17	-	-
El. conductivity (25°C)	µS/cm	533 ± 1.36	- ± -	6.93	-	-

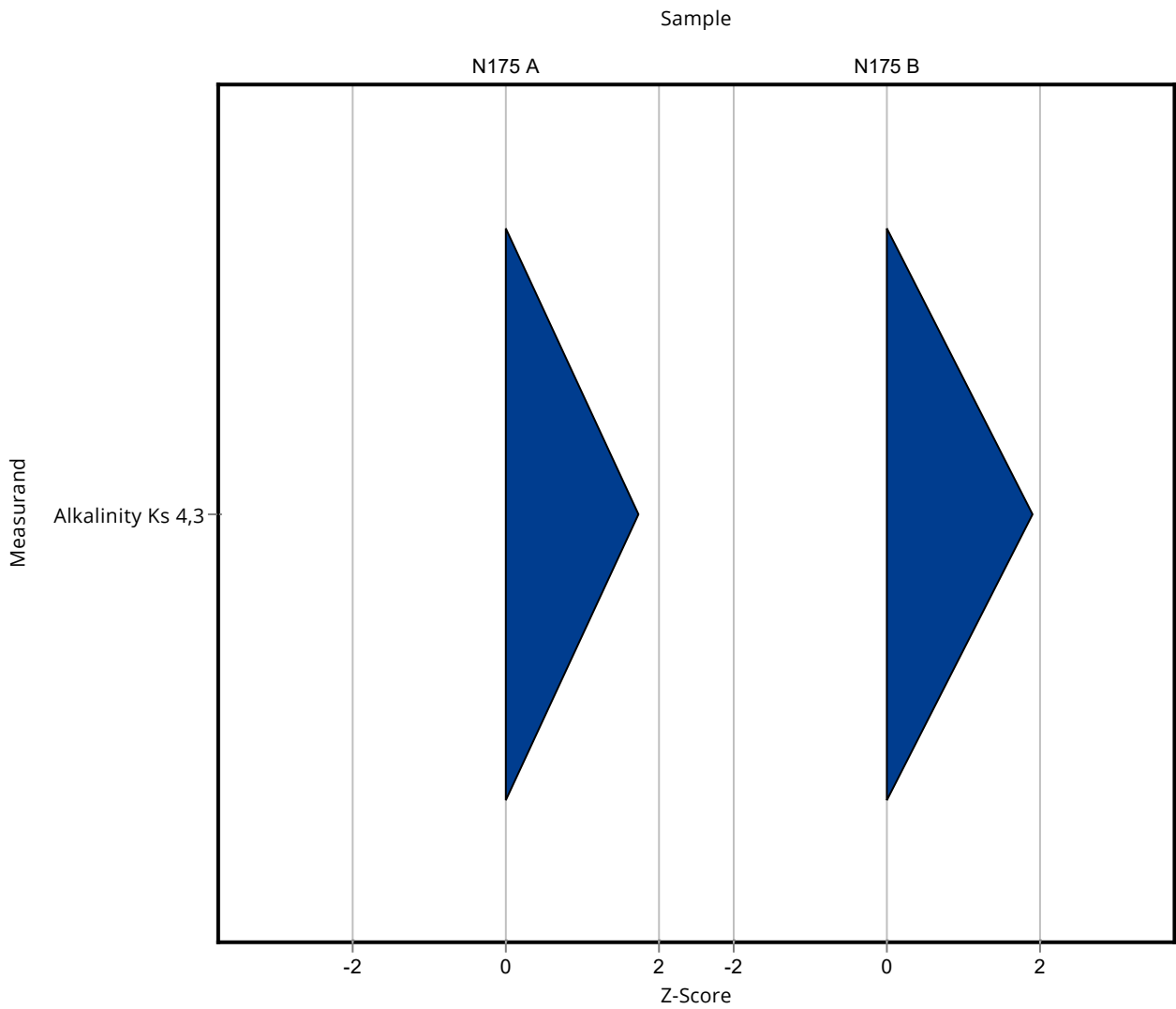
Summary of results Nutrients/Major Ions N175

Labcode: LC0046

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	- ± -	0.162	-	-
Total hardness	mmol/l	2.34 ± 0.0174	- ± -	0.0701	-	-
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	- ± -	4.41	-	-
Potassium	mg/l	2.58 ± 0.0293	- ± -	0.134	-	-
Magnesium	mg/l	15.6 ± 0.182	- ± -	0.622	-	-
Sodium	mg/l	16.4 ± 0.195	- ± -	0.558	-	-
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	- ± -	1.16	-	-
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	- ± -	0.036	-	-
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	- ± -	0.0629	-	-
pH-value	-	7.63 ± 0.0362	- ± -	0.153	-	-
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	- ± -	1.06	-	-
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.7775 ± 0.27	0.0728	104	1.90

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	- ± -	0.346	-	-



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	- ± -	0.00643	-	-
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	- ± -	5.12	-	-
Chloride	mg/l	102 ± 0.706	- ± -	4.07	-	-
El. conductivity (25°C)	µS/cm	1160 ± 3.02	- ± -	15.1	-	-
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	- ± -	0.0121	-	-
Total hardness	mmol/l	5.74 ± 0.0381	- ± -	0.172	-	-
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	- ± -	8.99	-	-
Potassium	mg/l	2.56 ± 0.0428	- ± -	0.133	-	-
Magnesium	mg/l	38.6 ± 0.337	- ± -	1.55	-	-
Sodium	mg/l	26.5 ± 0.22	- ± -	0.899	-	-
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	- ± -	0.629	-	-
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	- ± -	0.00298	-	-
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	- ± -	0.0121	-	-
pH-value	-	7.54 ± 0.0389	- ± -	0.151	-	-
Sulfate (as SO ₄)	mg/l	106 ± 0.909	- ± -	3.49	-	-
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.6475 ± 0.27	0.148	103	0.47

Sample: N175ADOC

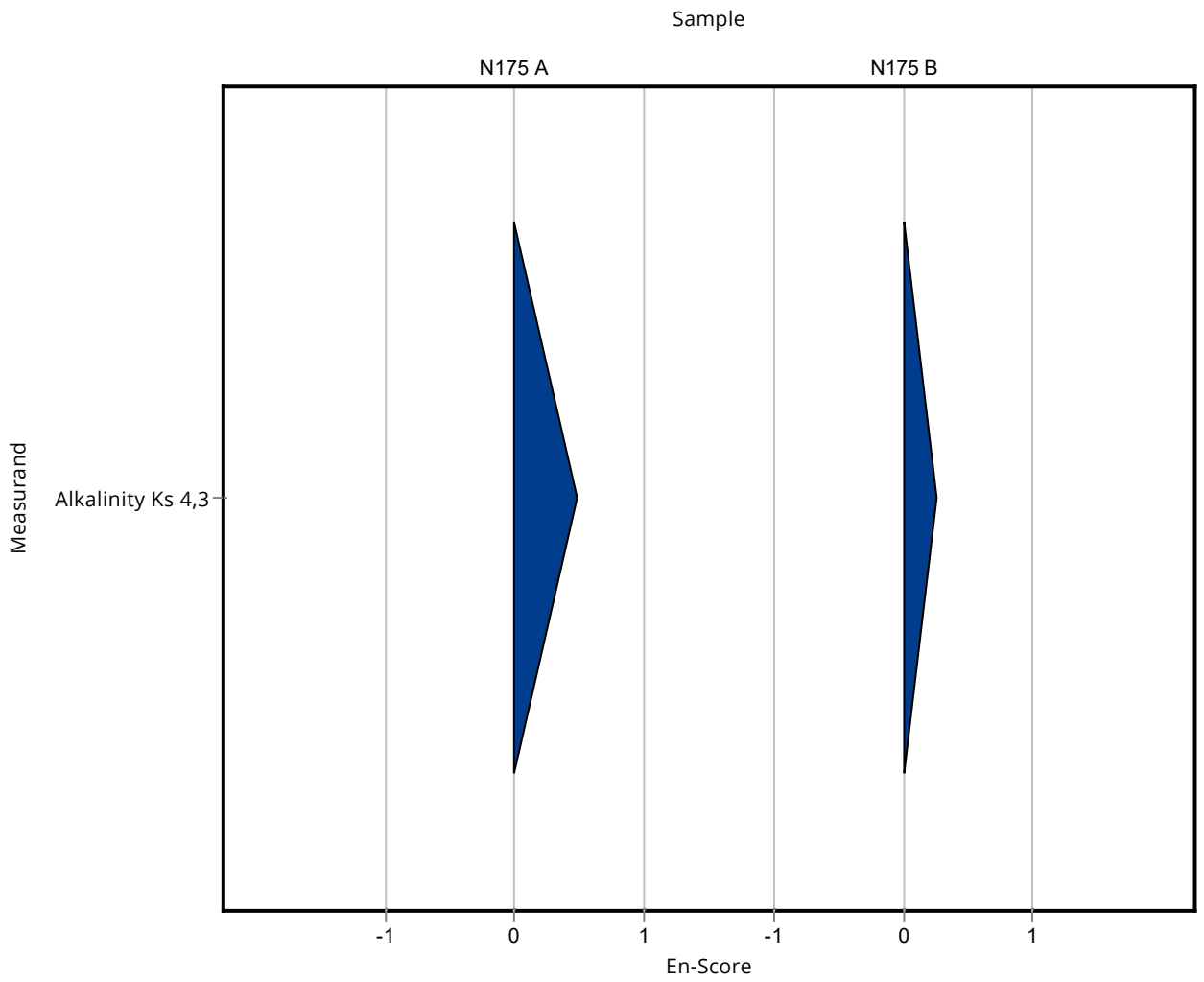
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	- ± -	0.193	-	-

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	- ± -	0.0369	-	-
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	- ± -	2.09	-	-
Chloride	mg/l	29.3 ± 0.251	- ± -	1.17	-	-
El. conductivity (25°C)	µS/cm	533 ± 1.36	- ± -	6.93	-	-
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	- ± -	0.162	-	-
Total hardness	mmol/l	2.34 ± 0.0174	- ± -	0.0701	-	-
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	- ± -	4.41	-	-
Potassium	mg/l	2.58 ± 0.0293	- ± -	0.134	-	-
Magnesium	mg/l	15.6 ± 0.182	- ± -	0.622	-	-
Sodium	mg/l	16.4 ± 0.195	- ± -	0.558	-	-
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	- ± -	1.16	-	-
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	- ± -	0.036	-	-
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	- ± -	0.0629	-	-
pH-value	-	7.63 ± 0.0362	- ± -	0.153	-	-
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	- ± -	1.06	-	-
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.7775 ± 0.27	0.0728	104	0.26

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	- ± -	0.346	-	-



Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.0374 ± 0.007	0.00643	110	0.55
Boron	mg/l	0.0597 ± 0.00224	0.06 ± 0.0084	0.00657	100	0.04
Calcium	mg/l	165 ± 1.53	164 ± 13.1	5.12	99.3	-0.23
Chloride	mg/l	102 ± 0.706	101.21 ± 10	4.07	99.5	-0.12
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1146 ± 115	15.1	98.5	-1.15
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.212 ± 0.02	0.0121	131	4.18
Total hardness	mmol/l	5.74 ± 0.0381	5.7 ± 0.6	0.172	99.4	-0.21
Total nitrogen	mg/l	2.96 ± 0.0892	3.1756 ± 0.41	0.246	107	0.86
Hydrogen carbonate	mg/l	450 ± 1.44	451.2 ± 76.7	8.99	100	0.18
Potassium	mg/l	2.56 ± 0.0428	2.62 ± 0.22	0.133	102	0.42
Magnesium	mg/l	38.6 ± 0.337	38.69 ± 2.7	1.55	100	0.04
Sodium	mg/l	26.5 ± 0.22	27.19 ± 3.5	0.899	103	0.82
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12.38 ± 1.7	0.629	98.4	-0.33
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.0212 ± 0.003	0.00298	55.5	-5.70
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	<0.2 (LOQ) ± -	0.0121	-	-
pH-value	-	7.54 ± 0.0389	7.65 ± 0.08	0.151	101	0.72
Sulfate (as SO ₄)	mg/l	106 ± 0.909	105.71 ± 10	3.49	99.9	-0.04
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.395 ± 1.3	0.148	100	0.02

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.859 ± 0.41	0.193	125	1.96

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.301 ± 0.06	0.0369	98	-0.17
Boron	mg/l	0.0176 ± 0.00104	0.016 ± 0.002	0.00211	91.1	-0.74
Calcium	mg/l	67.4 ± 0.625	67.9 ± 5.4	2.09	101	0.24
Chloride	mg/l	29.3 ± 0.251	28.89 ± 2.9	1.17	98.7	-0.32
El. conductivity (25°C)	µS/cm	533 ± 1.36	527 ± 53	6.93	98.8	-0.90

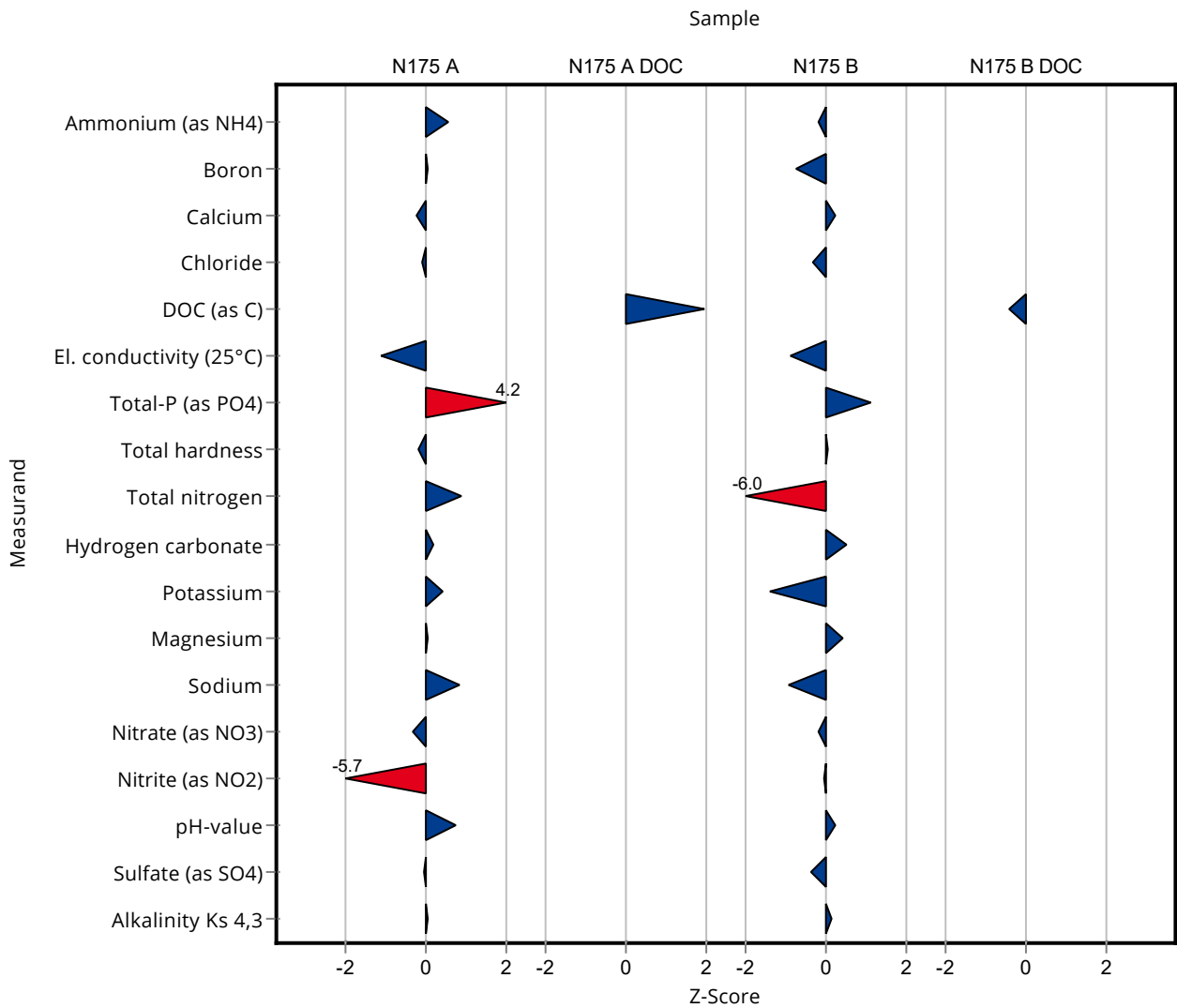
Summary of results Nutrients/Major Ions N175

Labcode: LC0047

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO4)	mg/l	2.17 ± 0.0523	2.35 ± 0.24	0.162	109	1.14
Total hardness	mmol/l	2.34 ± 0.0174	2.34 ± 0.2	0.0701	100	0.04
Total nitrogen	mg/l	5.8 ± 0.138	2.914 ± 0.38	0.482	50.2	-6.00
Hydrogen carbonate	mg/l	220 ± 0.967	222.7 ± 37.9	4.41	101	0.50
Potassium	mg/l	2.58 ± 0.0293	2.39 ± 0.19	0.134	92.7	-1.41
Magnesium	mg/l	15.6 ± 0.182	15.81 ± 1.1	0.622	102	0.41
Sodium	mg/l	16.4 ± 0.195	15.89 ± 2.7	0.558	96.9	-0.91
Nitrate (as NO3)	mg/l	23.3 ± 0.218	23.05 ± 3.2	1.16	99	-0.20
Nitrite (as NO2)	mg/l	0.678 ± 0.00681	0.6761 ± 0.11	0.036	99.7	-0.06
Orthophosphate (as PO4)	mg/l	0.37 ± 0.0253	<0.2 (LOQ) ± -	0.0629	-	-
pH-value	-	7.63 ± 0.0362	7.67 ± 0.08	0.153	100	0.24
Sulfate (as SO4)	mg/l	32.1 ± 0.266	31.66 ± 3.2	1.06	98.7	-0.39
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.6495 ± 0.62	0.0728	100	0.14

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.314 ± 0.73	0.346	95.7	-0.43



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.0374 ± 0.007	0.00643	110	0.25
Boron	mg/l	0.0597 ± 0.00224	0.06 ± 0.0084	0.00657	100	0.02
Calcium	mg/l	165 ± 1.53	164 ± 13.1	5.12	99.3	-0.04
Chloride	mg/l	102 ± 0.706	101.21 ± 10	4.07	99.5	-0.02
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1146 ± 115	15.1	98.5	-0.08
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.212 ± 0.02	0.0121	131	1.26
Total hardness	mmol/l	5.74 ± 0.0381	5.7 ± 0.6	0.172	99.4	-0.03
Total nitrogen	mg/l	2.96 ± 0.0892	3.1756 ± 0.41	0.246	107	0.26
Hydrogen carbonate	mg/l	450 ± 1.44	451.2 ± 76.7	8.99	100	0.01
Potassium	mg/l	2.56 ± 0.0428	2.62 ± 0.22	0.133	102	0.13
Magnesium	mg/l	38.6 ± 0.337	38.69 ± 2.7	1.55	100	0.01
Sodium	mg/l	26.5 ± 0.22	27.19 ± 3.5	0.899	103	0.10
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12.38 ± 1.7	0.629	98.4	-0.06
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.0212 ± 0.003	0.00298	55.5	-2.79
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	<0.2 (LOQ) ± -	0.0121	-	-
pH-value	-	7.54 ± 0.0389	7.65 ± 0.08	0.151	101	0.66
Sulfate (as SO ₄)	mg/l	106 ± 0.909	105.71 ± 10	3.49	99.9	-0.01
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.395 ± 1.3	0.148	100	0.00

Sample: N175ADOC

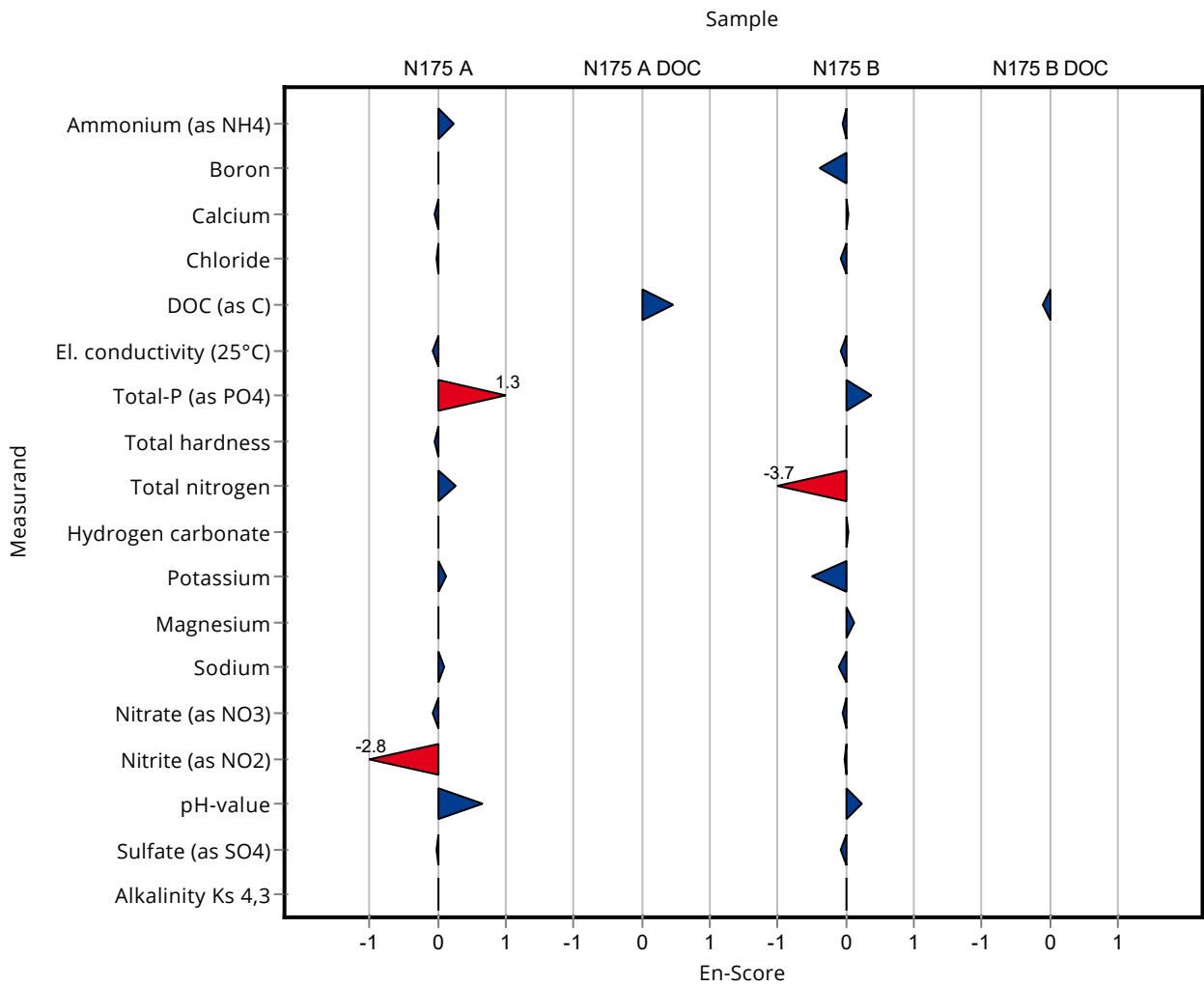
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.859 ± 0.41	0.193	125	0.46

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.301 ± 0.06	0.0369	98	-0.05
Boron	mg/l	0.0176 ± 0.00104	0.016 ± 0.002	0.00211	91.1	-0.38
Calcium	mg/l	67.4 ± 0.625	67.9 ± 5.4	2.09	101	0.05
Chloride	mg/l	29.3 ± 0.251	28.89 ± 2.9	1.17	98.7	-0.06
El. conductivity (25°C)	µS/cm	533 ± 1.36	527 ± 53	6.93	98.8	-0.06
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	2.35 ± 0.24	0.162	109	0.38
Total hardness	mmol/l	2.34 ± 0.0174	2.34 ± 0.2	0.0701	100	0.01
Total nitrogen	mg/l	5.8 ± 0.138	2.914 ± 0.38	0.482	50.2	-3.74
Hydrogen carbonate	mg/l	220 ± 0.967	222.7 ± 37.9	4.41	101	0.03
Potassium	mg/l	2.58 ± 0.0293	2.39 ± 0.19	0.134	92.7	-0.50
Magnesium	mg/l	15.6 ± 0.182	15.81 ± 1.1	0.622	102	0.12
Sodium	mg/l	16.4 ± 0.195	15.89 ± 2.7	0.558	96.9	-0.09
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	23.05 ± 3.2	1.16	99	-0.04
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.6761 ± 0.11	0.036	99.7	-0.01
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	<0.2 (LOQ) ± -	0.0629	-	-
pH-value	-	7.63 ± 0.0362	7.67 ± 0.08	0.153	100	0.23
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	31.66 ± 3.2	1.06	98.7	-0.06
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.6495 ± 0.62	0.0728	100	0.01

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.314 ± 0.73	0.346	95.7	-0.10



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.0175 ± 0.001313	0.00643	51.7	-2.54
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	- ± -	5.12	-	-
Chloride	mg/l	102 ± 0.706	- ± -	4.07	-	-
El. conductivity (25°C)	µS/cm	1160 ± 3.02	- ± -	15.1	-	-
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	- ± -	0.0121	-	-
Total hardness	mmol/l	5.74 ± 0.0381	- ± -	0.172	-	-
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	- ± -	8.99	-	-
Potassium	mg/l	2.56 ± 0.0428	- ± -	0.133	-	-
Magnesium	mg/l	38.6 ± 0.337	- ± -	1.55	-	-
Sodium	mg/l	26.5 ± 0.22	- ± -	0.899	-	-
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	- ± -	0.629	-	-
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	- ± -	0.00298	-	-
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	- ± -	0.0121	-	-
pH-value	-	7.54 ± 0.0389	- ± -	0.151	-	-
Sulfate (as SO ₄)	mg/l	106 ± 0.909	107 ± 5.35	3.49	101	0.33
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.45 ± 0.11	0.148	101	0.40

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	- ± -	0.193	-	-

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.151 ± 0.011325	0.0369	49.1	-4.24
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	- ± -	2.09	-	-
Chloride	mg/l	29.3 ± 0.251	- ± -	1.17	-	-
El. conductivity (25°C)	µS/cm	533 ± 1.36	- ± -	6.93	-	-

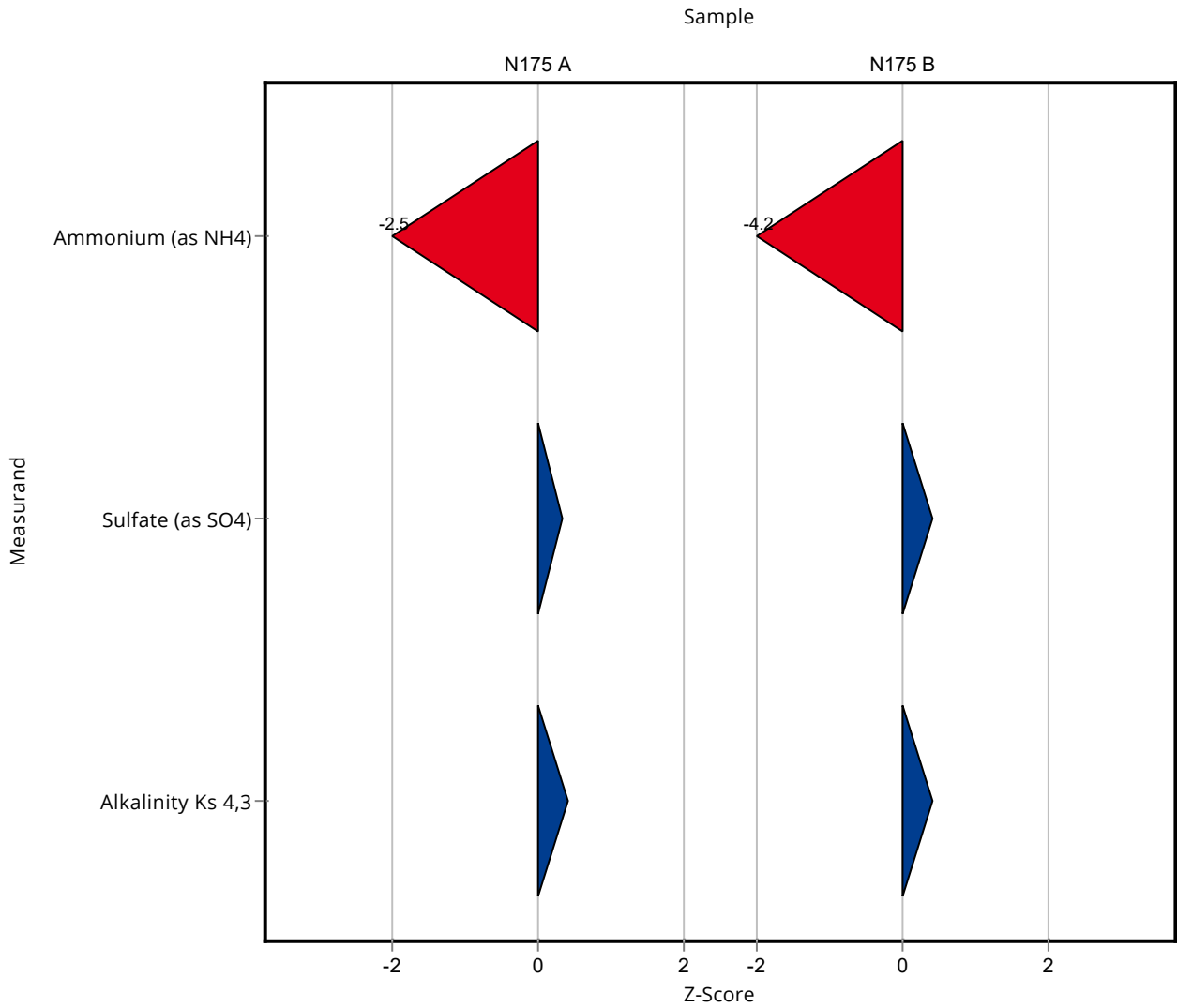
Summary of results Nutrients/Major Ions N175

Labcode: LC0048

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	- ± -	0.162	-	-
Total hardness	mmol/l	2.34 ± 0.0174	- ± -	0.0701	-	-
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	- ± -	4.41	-	-
Potassium	mg/l	2.58 ± 0.0293	- ± -	0.134	-	-
Magnesium	mg/l	15.6 ± 0.182	- ± -	0.622	-	-
Sodium	mg/l	16.4 ± 0.195	- ± -	0.558	-	-
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	- ± -	1.16	-	-
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	- ± -	0.036	-	-
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	- ± -	0.0629	-	-
pH-value	-	7.63 ± 0.0362	- ± -	0.153	-	-
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	32.5 ± 1.625	1.06	101	0.40
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.67 ± 0.11	0.0728	101	0.42

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	- ± -	0.346	-	-



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.0175 ± 0.001313	0.00643	51.7	-4.79
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	- ± -	5.12	-	-
Chloride	mg/l	102 ± 0.706	- ± -	4.07	-	-
El. conductivity (25°C)	µS/cm	1160 ± 3.02	- ± -	15.1	-	-
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	- ± -	0.0121	-	-
Total hardness	mmol/l	5.74 ± 0.0381	- ± -	0.172	-	-
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	- ± -	8.99	-	-
Potassium	mg/l	2.56 ± 0.0428	- ± -	0.133	-	-
Magnesium	mg/l	38.6 ± 0.337	- ± -	1.55	-	-
Sodium	mg/l	26.5 ± 0.22	- ± -	0.899	-	-
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	- ± -	0.629	-	-
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	- ± -	0.00298	-	-
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	- ± -	0.0121	-	-
pH-value	-	7.54 ± 0.0389	- ± -	0.151	-	-
Sulfate (as SO ₄)	mg/l	106 ± 0.909	107 ± 5.35	3.49	101	0.11
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.45 ± 0.11	0.148	101	0.27

Sample: N175ADOC

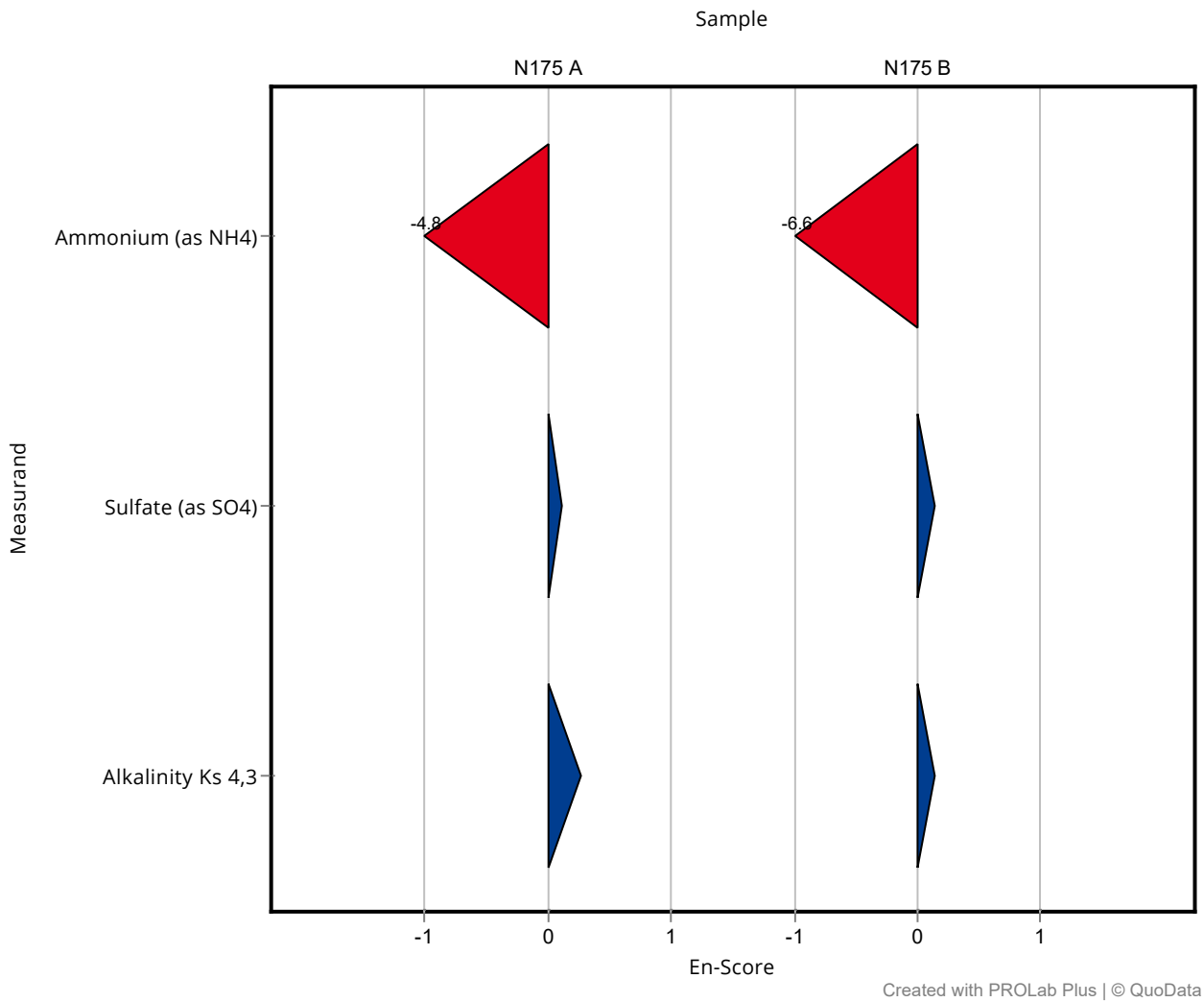
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	- ± -	0.193	-	-

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.151 ± 0.011325	0.0369	49.1	-6.62
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	- ± -	2.09	-	-
Chloride	mg/l	29.3 ± 0.251	- ± -	1.17	-	-
El. conductivity (25°C)	µS/cm	533 ± 1.36	- ± -	6.93	-	-
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	- ± -	0.162	-	-
Total hardness	mmol/l	2.34 ± 0.0174	- ± -	0.0701	-	-
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	- ± -	4.41	-	-
Potassium	mg/l	2.58 ± 0.0293	- ± -	0.134	-	-
Magnesium	mg/l	15.6 ± 0.182	- ± -	0.622	-	-
Sodium	mg/l	16.4 ± 0.195	- ± -	0.558	-	-
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	- ± -	1.16	-	-
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	- ± -	0.036	-	-
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	- ± -	0.0629	-	-
pH-value	-	7.63 ± 0.0362	- ± -	0.153	-	-
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	32.5 ± 1.625	1.06	101	0.13
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.67 ± 0.11	0.0728	101	0.14

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	- ± -	0.346	-	-



Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	<0.0515 ± -	0.00643	-	-
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	- ± -	5.12	-	-
Chloride	mg/l	102 ± 0.706	97 ± 9.7	4.07	95.4	-1.16
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1138.5 ± 34.2	15.1	97.9	-1.64
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	- ± -	0.0121	-	-
Total hardness	mmol/l	5.74 ± 0.0381	- ± -	0.172	-	-
Total nitrogen	mg/l	2.96 ± 0.0892	2.76 ± 0.551	0.246	93.1	-0.83
Hydrogen carbonate	mg/l	450 ± 1.44	- ± -	8.99	-	-
Potassium	mg/l	2.56 ± 0.0428	- ± -	0.133	-	-
Magnesium	mg/l	38.6 ± 0.337	- ± -	1.55	-	-
Sodium	mg/l	26.5 ± 0.22	- ± -	0.899	-	-
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12.9 ± 1.94	0.629	102	0.50
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.0411 ± 0.00617	0.00298	108	0.98
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.0659 ± 0.00989	0.0121	76.1	-1.70
pH-value	-	7.54 ± 0.0389	7.31 ± 0.365	0.151	96.9	-1.53
Sulfate (as SO ₄)	mg/l	106 ± 0.909	99 ± 9.9	3.49	93.5	-1.96
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.43 ± 0.743	0.148	101	0.26

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.94 ± 0.484	0.193	131	2.38

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.321 ± 0.0482	0.0369	104	0.37
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	- ± -	2.09	-	-
Chloride	mg/l	29.3 ± 0.251	27.5 ± 2.75	1.17	94	-1.51
El. conductivity (25°C)	µS/cm	533 ± 1.36	522 ± 15.7	6.93	97.9	-1.62

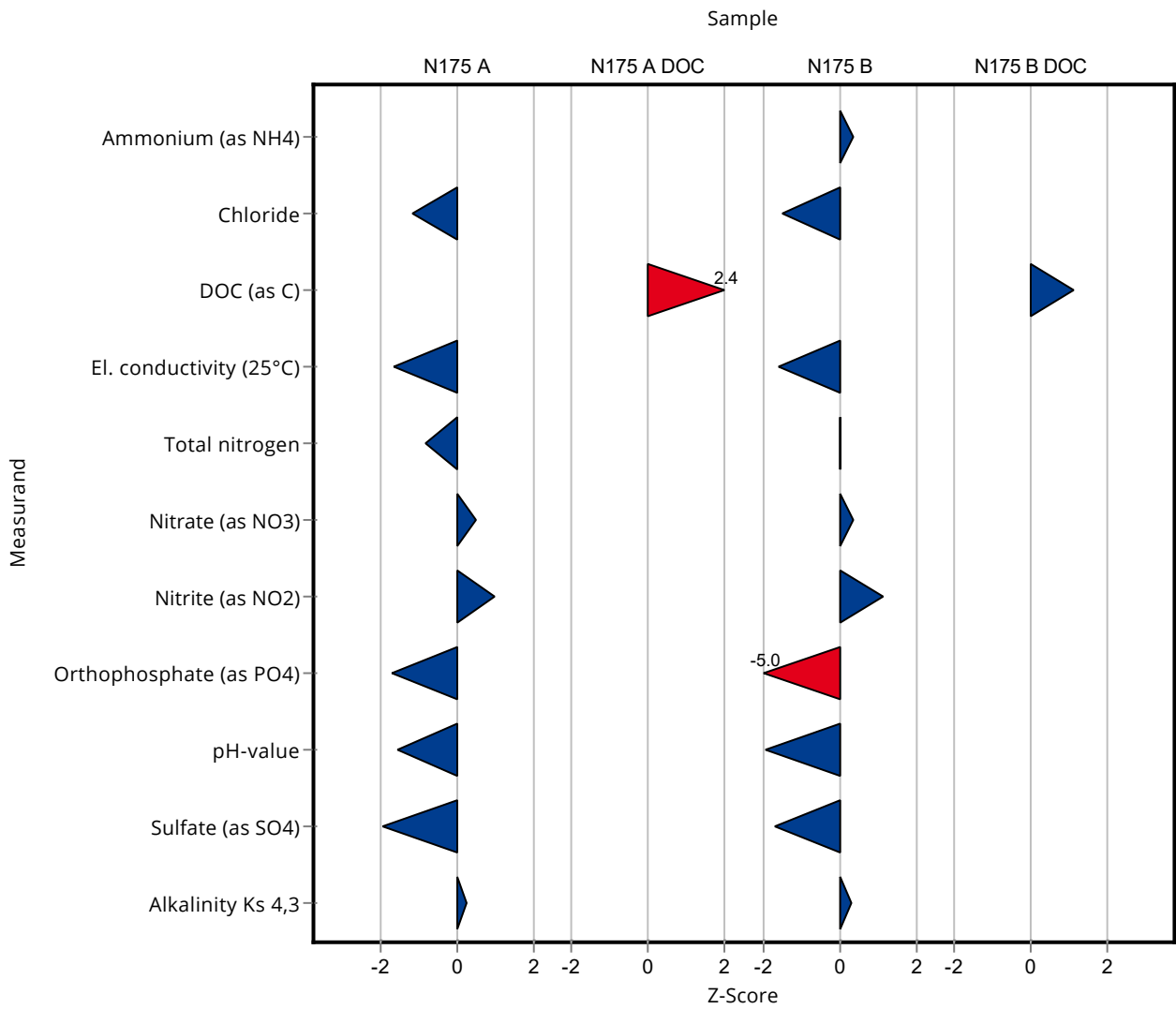
Summary of results Nutrients/Major Ions N175

Labcode: LC0049

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	- ± -	0.162	-	-
Total hardness	mmol/l	2.34 ± 0.0174	- ± -	0.0701	-	-
Total nitrogen	mg/l	5.8 ± 0.138	5.81 ± 1.16	0.482	100	0.01
Hydrogen carbonate	mg/l	220 ± 0.967	- ± -	4.41	-	-
Potassium	mg/l	2.58 ± 0.0293	- ± -	0.134	-	-
Magnesium	mg/l	15.6 ± 0.182	- ± -	0.622	-	-
Sodium	mg/l	16.4 ± 0.195	- ± -	0.558	-	-
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	23.7 ± 3.56	1.16	102	0.36
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.719 ± 0.108	0.036	106	1.13
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.0537 ± 0.0081	0.0629	14.5	-5.03
pH-value	-	7.63 ± 0.0362	7.34 ± 0.367	0.153	96.2	-1.92
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	30.3 ± 3.03	1.06	94.5	-1.67
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.66 ± 0.37	0.0728	101	0.29

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.84 ± 0.959	0.346	111	1.09



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	<0.0515 ± -	0.00643	-	-
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	- ± -	5.12	-	-
Chloride	mg/l	102 ± 0.706	97 ± 9.7	4.07	95.4	-0.24
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1138.5 ± 34.2	15.1	97.9	-0.36
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	- ± -	0.0121	-	-
Total hardness	mmol/l	5.74 ± 0.0381	- ± -	0.172	-	-
Total nitrogen	mg/l	2.96 ± 0.0892	2.76 ± 0.551	0.246	93.1	-0.18
Hydrogen carbonate	mg/l	450 ± 1.44	- ± -	8.99	-	-
Potassium	mg/l	2.56 ± 0.0428	- ± -	0.133	-	-
Magnesium	mg/l	38.6 ± 0.337	- ± -	1.55	-	-
Sodium	mg/l	26.5 ± 0.22	- ± -	0.899	-	-
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12.9 ± 1.94	0.629	102	0.08
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.0411 ± 0.00617	0.00298	108	0.24
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.0659 ± 0.00989	0.0121	76.1	-1.02
pH-value	-	7.54 ± 0.0389	7.31 ± 0.365	0.151	96.9	-0.32
Sulfate (as SO ₄)	mg/l	106 ± 0.909	99 ± 9.9	3.49	93.5	-0.34
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.43 ± 0.743	0.148	101	0.03

Sample: N175ADOC

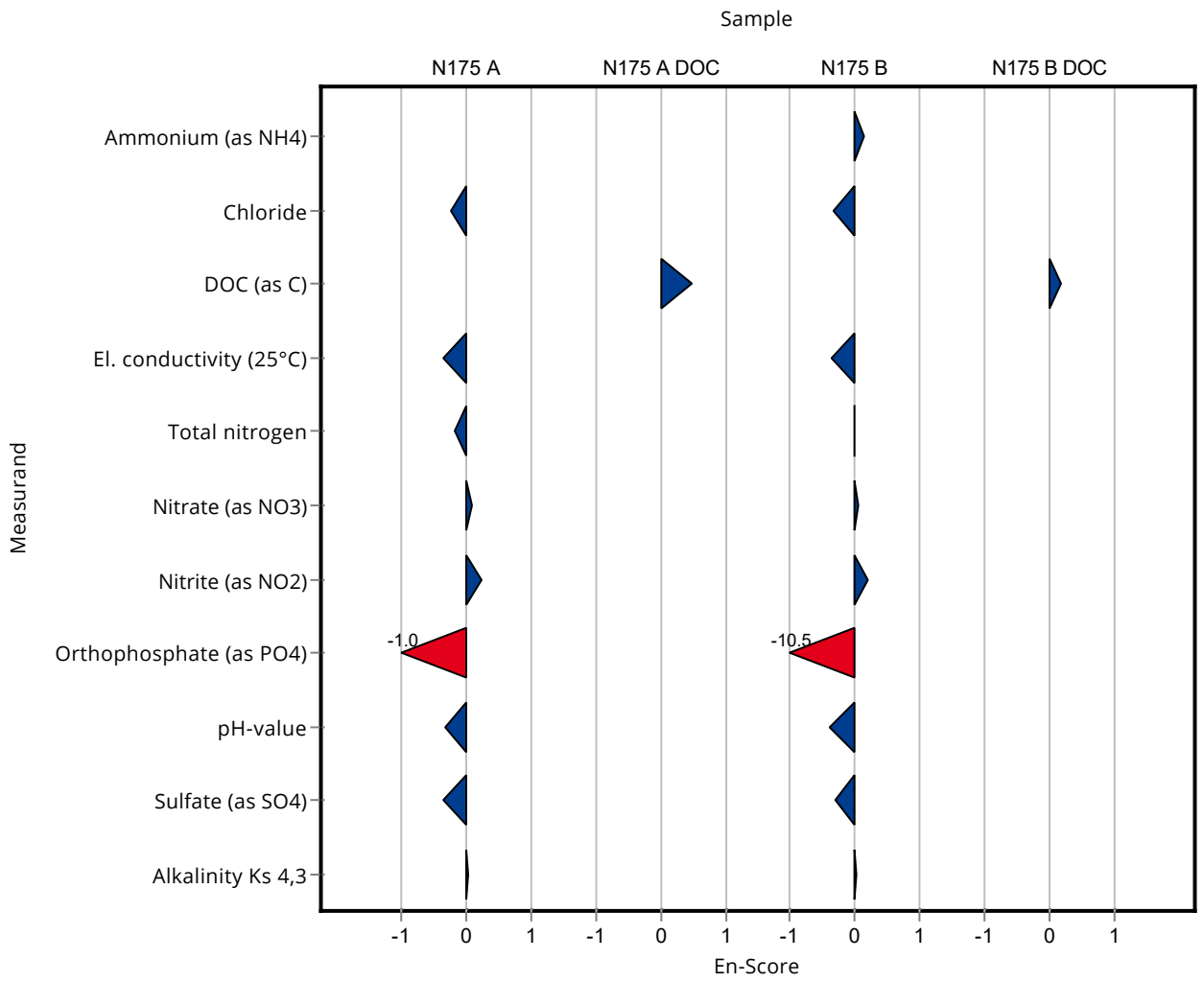
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.94 ± 0.484	0.193	131	0.47

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.321 ± 0.0482	0.0369	104	0.14
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	- ± -	2.09	-	-
Chloride	mg/l	29.3 ± 0.251	27.5 ± 2.75	1.17	94	-0.32
El. conductivity (25°C)	µS/cm	533 ± 1.36	522 ± 15.7	6.93	97.9	-0.36
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	- ± -	0.162	-	-
Total hardness	mmol/l	2.34 ± 0.0174	- ± -	0.0701	-	-
Total nitrogen	mg/l	5.8 ± 0.138	5.81 ± 1.16	0.482	100	0.00
Hydrogen carbonate	mg/l	220 ± 0.967	- ± -	4.41	-	-
Potassium	mg/l	2.58 ± 0.0293	- ± -	0.134	-	-
Magnesium	mg/l	15.6 ± 0.182	- ± -	0.622	-	-
Sodium	mg/l	16.4 ± 0.195	- ± -	0.558	-	-
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	23.7 ± 3.56	1.16	102	0.06
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.719 ± 0.108	0.036	106	0.19
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.0537 ± 0.0081	0.0629	14.5	-10.53
pH-value	-	7.63 ± 0.0362	7.34 ± 0.367	0.153	96.2	-0.40
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	30.3 ± 3.03	1.06	94.5	-0.29
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.66 ± 0.37	0.0728	101	0.03

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.84 ± 0.959	0.346	111	0.20



Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	- ± -	0.00643	-	-
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	- ± -	5.12	-	-
Chloride	mg/l	102 ± 0.706	- ± -	4.07	-	-
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1163 ± 58.15	15.1	100	-0.02
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	- ± -	0.0121	-	-
Total hardness	mmol/l	5.74 ± 0.0381	- ± -	0.172	-	-
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	454 ± 90.8	8.99	101	0.49
Potassium	mg/l	2.56 ± 0.0428	- ± -	0.133	-	-
Magnesium	mg/l	38.6 ± 0.337	- ± -	1.55	-	-
Sodium	mg/l	26.5 ± 0.22	- ± -	0.899	-	-
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	- ± -	0.629	-	-
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	- ± -	0.00298	-	-
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	- ± -	0.0121	-	-
pH-value	-	7.54 ± 0.0389	7.52 ± 0.376	0.151	99.7	-0.14
Sulfate (as SO ₄)	mg/l	106 ± 0.909	- ± -	3.49	-	-
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.45 ± 1.49	0.148	101	0.40

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	- ± -	0.193	-	-

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	- ± -	0.0369	-	-
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	- ± -	2.09	-	-
Chloride	mg/l	29.3 ± 0.251	- ± -	1.17	-	-
El. conductivity (25°C)	µS/cm	533 ± 1.36	532 ± 26.6	6.93	99.8	-0.18

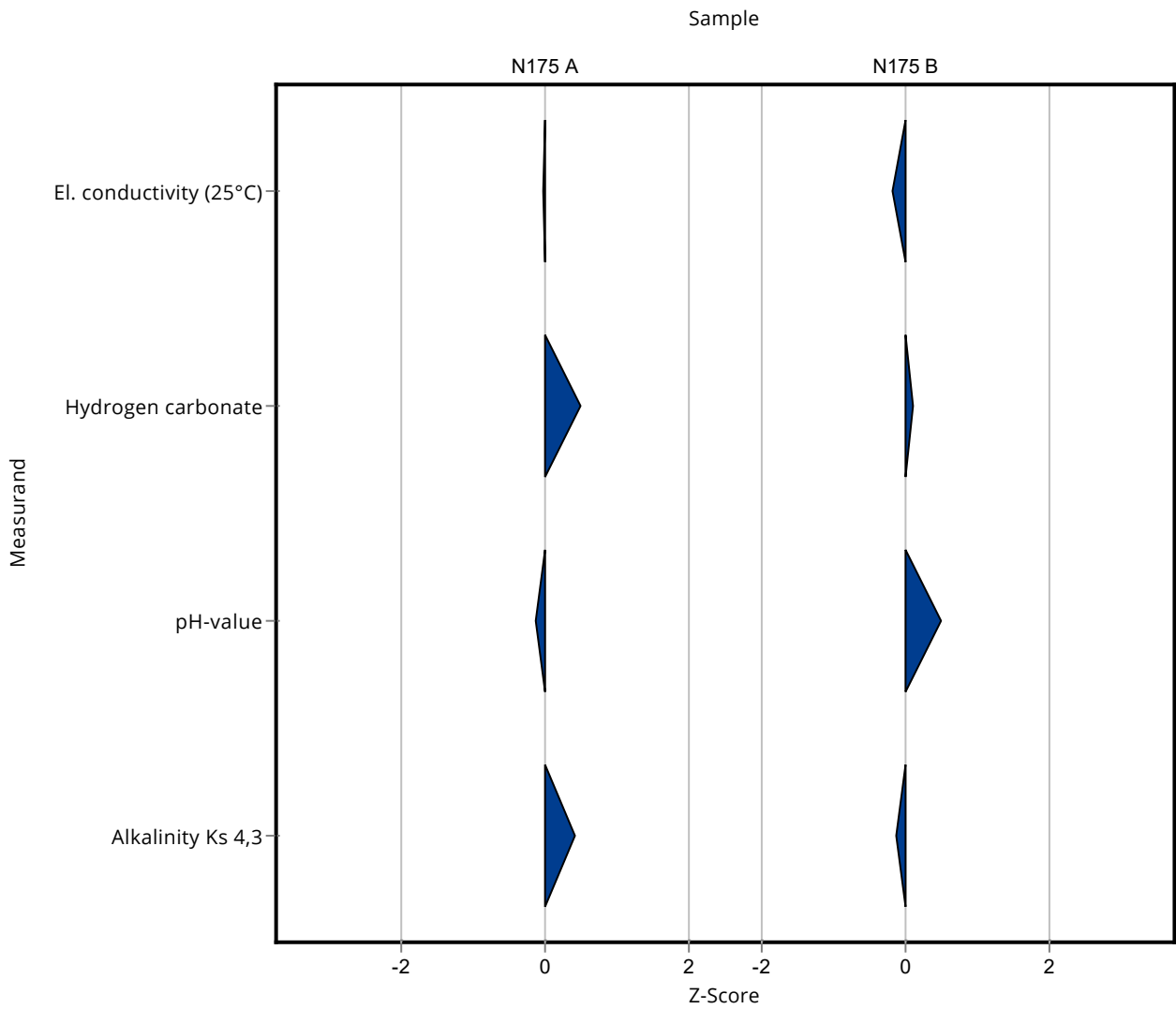
Summary of results Nutrients/Major Ions N175

Labcode: LC0050

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	- ± -	0.162	-	-
Total hardness	mmol/l	2.34 ± 0.0174	- ± -	0.0701	-	-
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	221 ± 44.2	4.41	100	0.12
Potassium	mg/l	2.58 ± 0.0293	- ± -	0.134	-	-
Magnesium	mg/l	15.6 ± 0.182	- ± -	0.622	-	-
Sodium	mg/l	16.4 ± 0.195	- ± -	0.558	-	-
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	- ± -	1.16	-	-
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	- ± -	0.036	-	-
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	- ± -	0.0629	-	-
pH-value	-	7.63 ± 0.0362	7.71 ± 0.386	0.153	101	0.51
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	- ± -	1.06	-	-
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.63 ± 0.726	0.0728	99.7	-0.13

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	- ± -	0.346	-	-



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	- ± -	0.00643	-	-
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	- ± -	5.12	-	-
Chloride	mg/l	102 ± 0.706	- ± -	4.07	-	-
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1163 ± 58.15	15.1	100	0.00
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	- ± -	0.0121	-	-
Total hardness	mmol/l	5.74 ± 0.0381	- ± -	0.172	-	-
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	454 ± 90.8	8.99	101	0.02
Potassium	mg/l	2.56 ± 0.0428	- ± -	0.133	-	-
Magnesium	mg/l	38.6 ± 0.337	- ± -	1.55	-	-
Sodium	mg/l	26.5 ± 0.22	- ± -	0.899	-	-
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	- ± -	0.629	-	-
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	- ± -	0.00298	-	-
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	- ± -	0.0121	-	-
pH-value	-	7.54 ± 0.0389	7.52 ± 0.376	0.151	99.7	-0.03
Sulfate (as SO ₄)	mg/l	106 ± 0.909	- ± -	3.49	-	-
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.45 ± 1.49	0.148	101	0.02

Sample: N175ADOC

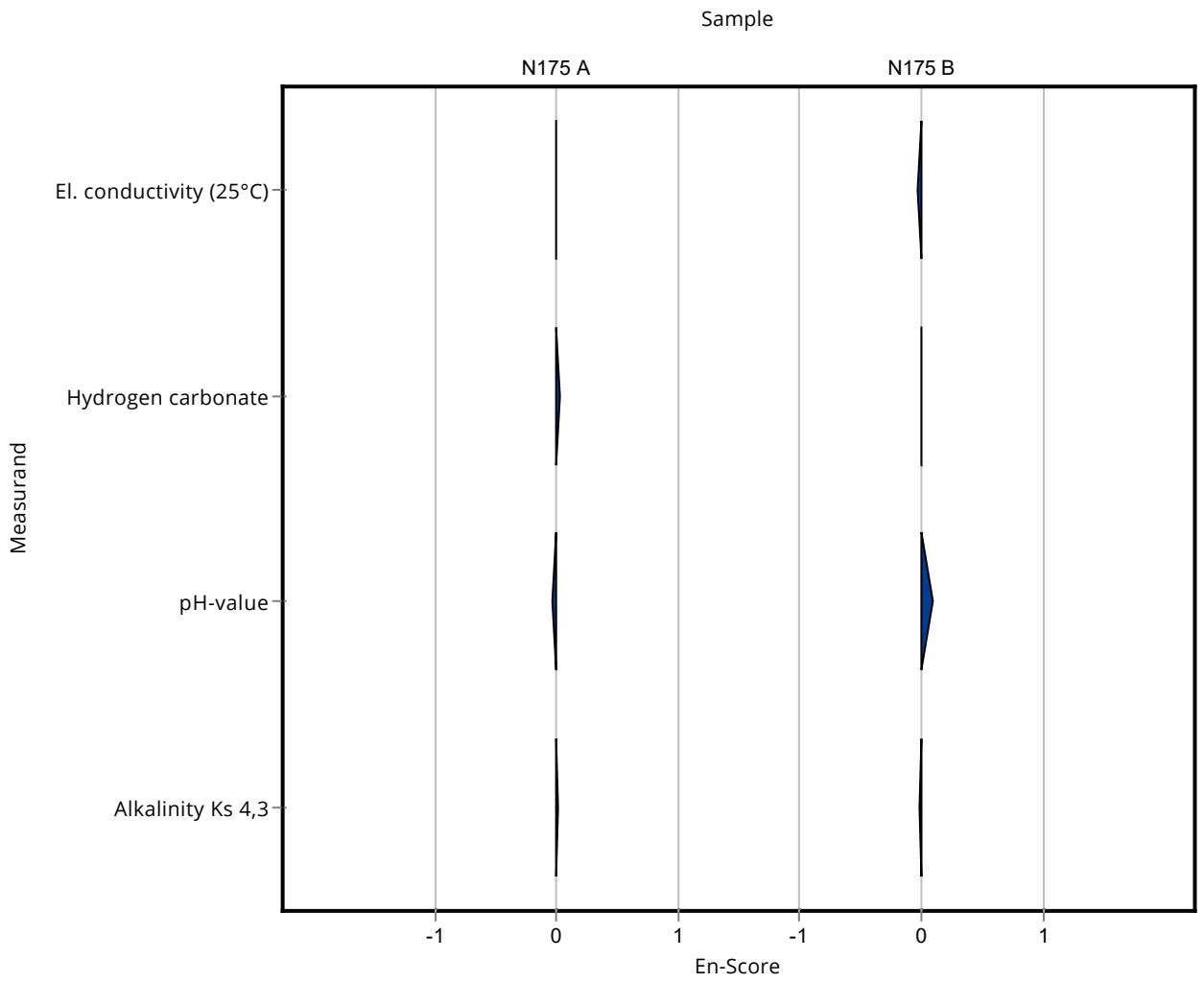
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	- ± -	0.193	-	-

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	- ± -	0.0369	-	-
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	- ± -	2.09	-	-
Chloride	mg/l	29.3 ± 0.251	- ± -	1.17	-	-
El. conductivity (25°C)	µS/cm	533 ± 1.36	532 ± 26.6	6.93	99.8	-0.02
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	- ± -	0.162	-	-
Total hardness	mmol/l	2.34 ± 0.0174	- ± -	0.0701	-	-
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	221 ± 44.2	4.41	100	0.01
Potassium	mg/l	2.58 ± 0.0293	- ± -	0.134	-	-
Magnesium	mg/l	15.6 ± 0.182	- ± -	0.622	-	-
Sodium	mg/l	16.4 ± 0.195	- ± -	0.558	-	-
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	- ± -	1.16	-	-
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	- ± -	0.036	-	-
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	- ± -	0.0629	-	-
pH-value	-	7.63 ± 0.0362	7.71 ± 0.386	0.153	101	0.10
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	- ± -	1.06	-	-
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.63 ± 0.726	0.0728	99.7	-0.01

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	- ± -	0.346	-	-



Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.0373 ± 0.003	0.00643	110	0.54
Boron	mg/l	0.0597 ± 0.00224	0.0558 ± 0.0084	0.00657	93.5	-0.60
Calcium	mg/l	165 ± 1.53	164 ± 25	5.12	99.3	-0.23
Chloride	mg/l	102 ± 0.706	101 ± 10	4.07	99.3	-0.17
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1160 ± 35	15.1	99.7	-0.22
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.158 ± 0.013	0.0121	97.9	-0.28
Total hardness	mmol/l	5.74 ± 0.0381	5.67 ± 0.85	0.172	98.8	-0.39
Total nitrogen	mg/l	2.96 ± 0.0892	3.14 ± 0.47	0.246	106	0.72
Hydrogen carbonate	mg/l	450 ± 1.44	451 ± 36	8.99	100	0.16
Potassium	mg/l	2.56 ± 0.0428	2.75 ± 0.41	0.133	107	1.39
Magnesium	mg/l	38.6 ± 0.337	38.4 ± 4.6	1.55	99.4	-0.15
Sodium	mg/l	26.5 ± 0.22	26 ± 3.4	0.899	98.3	-0.51
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12.4 ± 1.2	0.629	98.5	-0.30
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.0392 ± 0.0043	0.00298	103	0.34
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.085 ± 0.0068	0.0121	98.2	-0.13
pH-value	-	7.54 ± 0.0389	7.56 ± 0.23	0.151	100	0.12
Sulfate (as SO ₄)	mg/l	106 ± 0.909	106 ± 17	3.49	100	0.05
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.39 ± 0.59	0.148	100	-0.01

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.46 ± 0.29	0.193	98.5	-0.11

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.302 ± 0.024	0.0369	98.3	-0.14
Boron	mg/l	0.0176 ± 0.00104	0.0144 ± 0.0022	0.00211	82	-1.50
Calcium	mg/l	67.4 ± 0.625	66 ± 9.9	2.09	97.9	-0.67
Chloride	mg/l	29.3 ± 0.251	29.4 ± 2.9	1.17	100	0.11
El. conductivity (25°C)	µS/cm	533 ± 1.36	535 ± 16	6.93	100	0.25

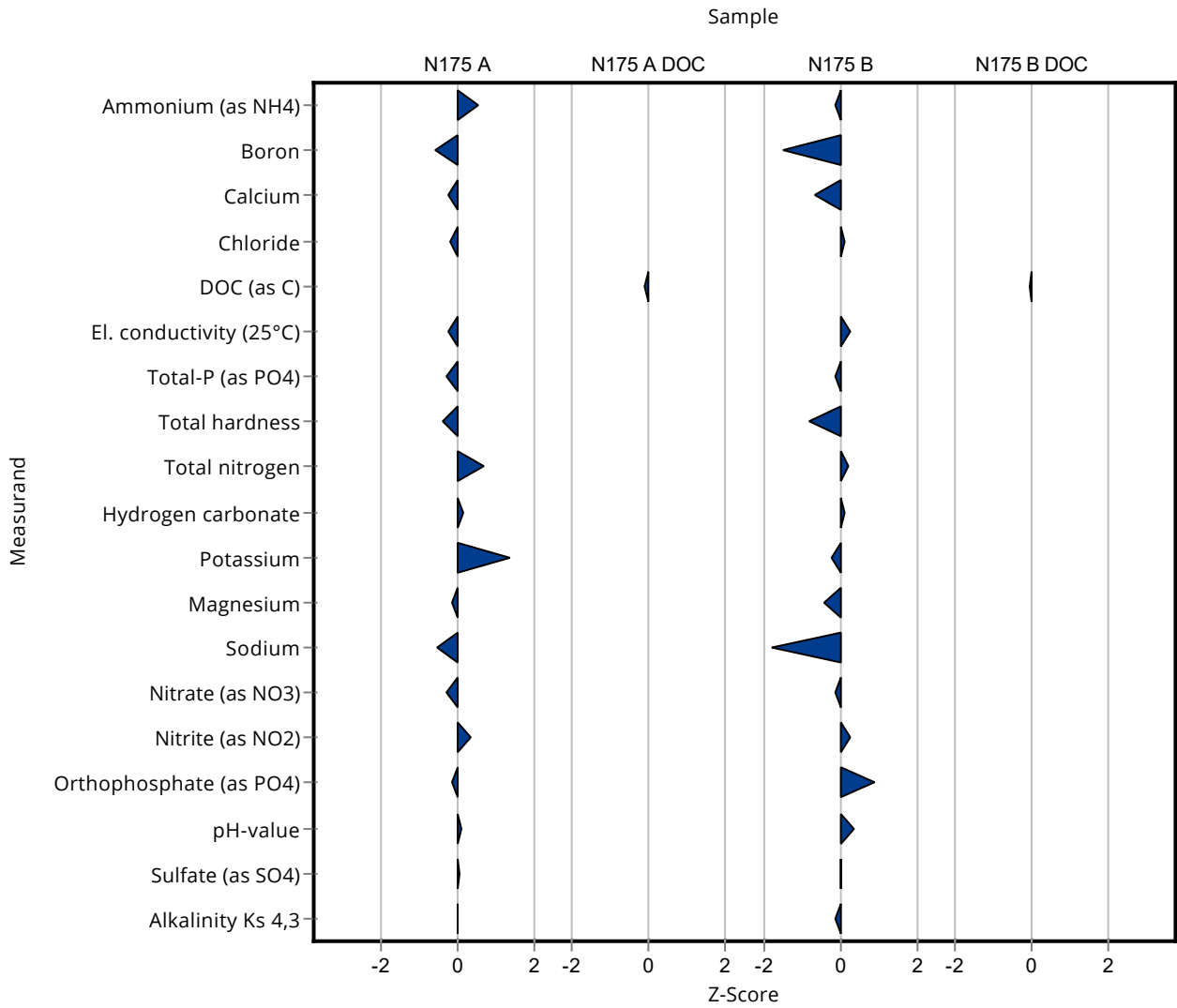
Summary of results Nutrients/Major Ions N175

Labcode: LC0051

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	2.14 ± 0.17	0.162	98.8	-0.16
Total hardness	mmol/l	2.34 ± 0.0174	2.28 ± 0.34	0.0701	97.6	-0.82
Total nitrogen	mg/l	5.8 ± 0.138	5.91 ± 0.89	0.482	102	0.22
Hydrogen carbonate	mg/l	220 ± 0.967	221 ± 18	4.41	100	0.12
Potassium	mg/l	2.58 ± 0.0293	2.55 ± 0.38	0.134	98.9	-0.21
Magnesium	mg/l	15.6 ± 0.182	15.3 ± 1.8	0.622	98.4	-0.41
Sodium	mg/l	16.4 ± 0.195	15.4 ± 2	0.558	93.9	-1.79
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	23.1 ± 2.3	1.16	99.2	-0.16
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.687 ± 0.075	0.036	101	0.24
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.425 ± 0.034	0.0629	115	0.87
pH-value	-	7.63 ± 0.0362	7.69 ± 0.23	0.153	101	0.38
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	32.1 ± 5.1	1.06	100	0.03
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.63 ± 0.29	0.0728	99.7	-0.13

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.45 ± 0.69	0.346	99.6	-0.04



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.0373 ± 0.003	0.00643	110	0.54
Boron	mg/l	0.0597 ± 0.00224	0.0558 ± 0.0084	0.00657	93.5	-0.23
Calcium	mg/l	165 ± 1.53	164 ± 25	5.12	99.3	-0.02
Chloride	mg/l	102 ± 0.706	101 ± 10	4.07	99.3	-0.04
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1160 ± 35	15.1	99.7	-0.05
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.158 ± 0.013	0.0121	97.9	-0.13
Total hardness	mmol/l	5.74 ± 0.0381	5.67 ± 0.85	0.172	98.8	-0.04
Total nitrogen	mg/l	2.96 ± 0.0892	3.14 ± 0.47	0.246	106	0.19
Hydrogen carbonate	mg/l	450 ± 1.44	451 ± 36	8.99	100	0.02
Potassium	mg/l	2.56 ± 0.0428	2.75 ± 0.41	0.133	107	0.23
Magnesium	mg/l	38.6 ± 0.337	38.4 ± 4.6	1.55	99.4	-0.02
Sodium	mg/l	26.5 ± 0.22	26 ± 3.4	0.899	98.3	-0.07
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12.4 ± 1.2	0.629	98.5	-0.08
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.0392 ± 0.0043	0.00298	103	0.12
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.085 ± 0.0068	0.0121	98.2	-0.11
pH-value	-	7.54 ± 0.0389	7.56 ± 0.23	0.151	100	0.04
Sulfate (as SO ₄)	mg/l	106 ± 0.909	106 ± 17	3.49	100	0.00
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.39 ± 0.59	0.148	100	0.00

Sample: N175ADOC

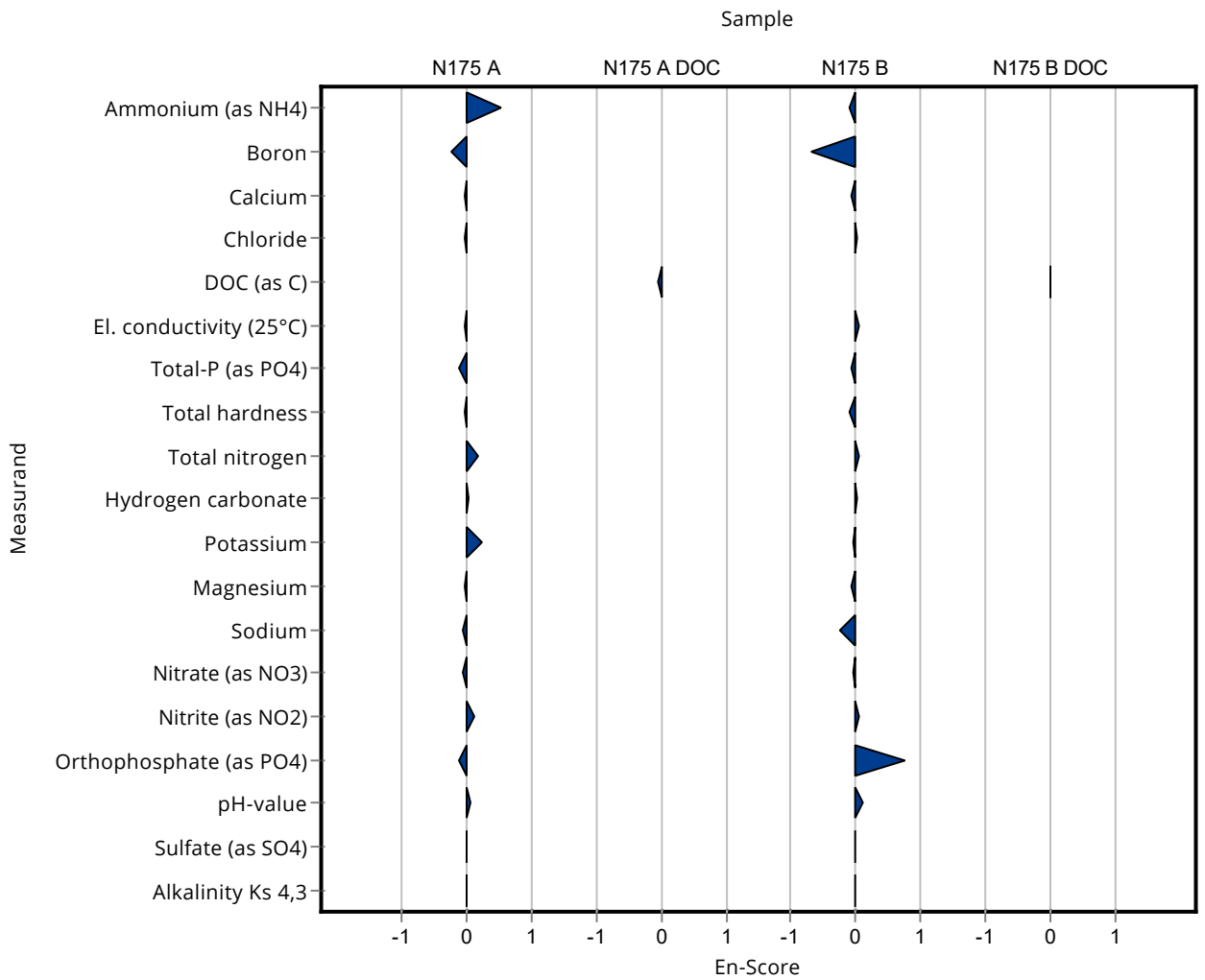
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.46 ± 0.29	0.193	98.5	-0.04

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.302 ± 0.024	0.0369	98.3	-0.11
Boron	mg/l	0.0176 ± 0.00104	0.0144 ± 0.0022	0.00211	82	-0.70
Calcium	mg/l	67.4 ± 0.625	66 ± 9.9	2.09	97.9	-0.07
Chloride	mg/l	29.3 ± 0.251	29.4 ± 2.9	1.17	100	0.02
El. conductivity (25°C)	µS/cm	533 ± 1.36	535 ± 16	6.93	100	0.05
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	2.14 ± 0.17	0.162	98.8	-0.07
Total hardness	mmol/l	2.34 ± 0.0174	2.28 ± 0.34	0.0701	97.6	-0.08
Total nitrogen	mg/l	5.8 ± 0.138	5.91 ± 0.89	0.482	102	0.06
Hydrogen carbonate	mg/l	220 ± 0.967	221 ± 18	4.41	100	0.01
Potassium	mg/l	2.58 ± 0.0293	2.55 ± 0.38	0.134	98.9	-0.04
Magnesium	mg/l	15.6 ± 0.182	15.3 ± 1.8	0.622	98.4	-0.07
Sodium	mg/l	16.4 ± 0.195	15.4 ± 2	0.558	93.9	-0.25
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	23.1 ± 2.3	1.16	99.2	-0.04
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.687 ± 0.075	0.036	101	0.06
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.425 ± 0.034	0.0629	115	0.75
pH-value	-	7.63 ± 0.0362	7.69 ± 0.23	0.153	101	0.12
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	32.1 ± 5.1	1.06	100	0.00
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.63 ± 0.29	0.0728	99.7	-0.02

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.45 ± 0.69	0.346	99.6	-0.01



Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.035 ± 0.01	0.00643	103	0.18
Boron	mg/l	0.0597 ± 0.00224	0.072 ± 0.02	0.00657	121	1.87
Calcium	mg/l	165 ± 1.53	164 ± 10	5.12	99.3	-0.23
Chloride	mg/l	102 ± 0.706	103 ± 8	4.07	101	0.32
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1165 ± 10	15.1	100	0.11
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.17 ± 0.02	0.0121	105	0.71
Total hardness	mmol/l	5.74 ± 0.0381	5.6 ± 0.5	0.172	97.6	-0.79
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	442 ± 8	8.99	98.3	-0.84
Potassium	mg/l	2.56 ± 0.0428	2.6 ± 0.2	0.133	101	0.27
Magnesium	mg/l	38.6 ± 0.337	36 ± 3	1.55	93.2	-1.70
Sodium	mg/l	26.5 ± 0.22	24 ± 1.9	0.899	90.7	-2.73
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	21 ± 1.7	0.629	167	13.37
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.038 ± 0.01	0.00298	99.5	-0.06
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	- ± -	0.0121	-	-
pH-value	-	7.54 ± 0.0389	7.5 ± 0.1	0.151	99.5	-0.27
Sulfate (as SO ₄)	mg/l	106 ± 0.909	107 ± 9	3.49	101	0.33
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.25 ± 0.2	0.148	98.1	-0.96

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.9 ± 0.2	0.193	128	2.17

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.324 ± 0.03	0.0369	105	0.45
Boron	mg/l	0.0176 ± 0.00104	0.032 ± 0.02	0.00211	182	6.86
Calcium	mg/l	67.4 ± 0.625	66 ± 4	2.09	97.9	-0.67
Chloride	mg/l	29.3 ± 0.251	30 ± 2	1.17	103	0.63
El. conductivity (25°C)	µS/cm	533 ± 1.36	535 ± 5	6.93	100	0.25

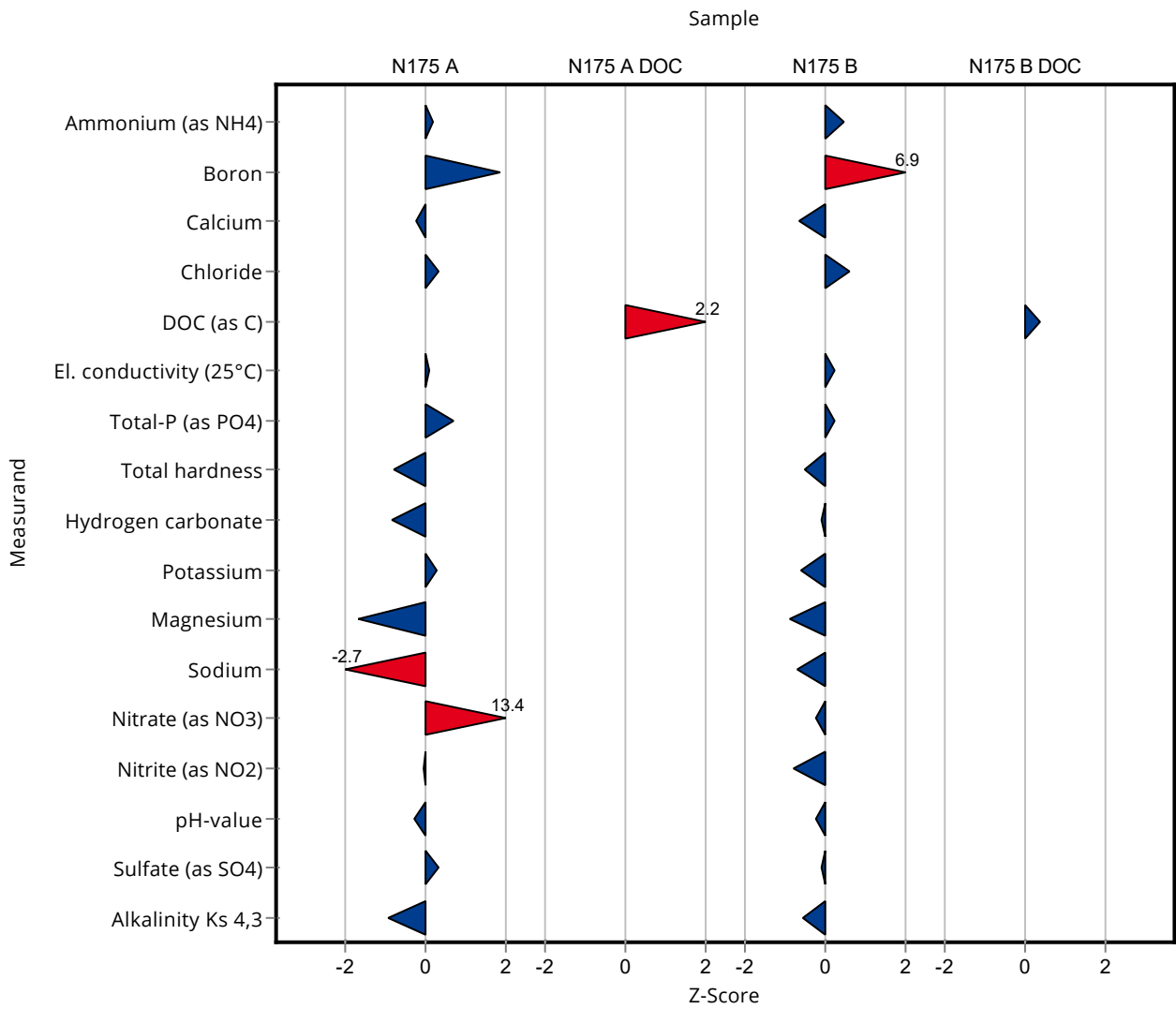
Summary of results Nutrients/Major Ions N175

Labcode: LC0052

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	2.2 ± 0.2	0.162	102	0.21
Total hardness	mmol/l	2.34 ± 0.0174	2.3 ± 0.2	0.0701	98.4	-0.53
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	220 ± 4	4.41	99.8	-0.11
Potassium	mg/l	2.58 ± 0.0293	2.5 ± 0.2	0.134	96.9	-0.59
Magnesium	mg/l	15.6 ± 0.182	15 ± 1.2	0.622	96.4	-0.89
Sodium	mg/l	16.4 ± 0.195	16 ± 1.3	0.558	97.6	-0.72
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	23 ± 1.8	1.16	98.8	-0.24
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.65 ± 0.06	0.036	95.8	-0.79
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	- ± -	0.0629	-	-
pH-value	-	7.63 ± 0.0362	7.6 ± 0.1	0.153	99.6	-0.21
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	32 ± 2.5	1.06	99.8	-0.07
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.6 ± 0.2	0.0728	98.9	-0.54

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.6 ± 0.4	0.346	104	0.40



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.035 ± 0.01	0.00643	103	0.06
Boron	mg/l	0.0597 ± 0.00224	0.072 ± 0.02	0.00657	121	0.31
Calcium	mg/l	165 ± 1.53	164 ± 10	5.12	99.3	-0.06
Chloride	mg/l	102 ± 0.706	103 ± 8	4.07	101	0.08
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1165 ± 10	15.1	100	0.08
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.17 ± 0.02	0.0121	105	0.21
Total hardness	mmol/l	5.74 ± 0.0381	5.6 ± 0.5	0.172	97.6	-0.14
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	442 ± 8	8.99	98.3	-0.47
Potassium	mg/l	2.56 ± 0.0428	2.6 ± 0.2	0.133	101	0.09
Magnesium	mg/l	38.6 ± 0.337	36 ± 3	1.55	93.2	-0.44
Sodium	mg/l	26.5 ± 0.22	24 ± 1.9	0.899	90.7	-0.65
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	21 ± 1.7	0.629	167	2.47
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.038 ± 0.01	0.00298	99.5	-0.01
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	- ± -	0.0121	-	-
pH-value	-	7.54 ± 0.0389	7.5 ± 0.1	0.151	99.5	-0.20
Sulfate (as SO ₄)	mg/l	106 ± 0.909	107 ± 9	3.49	101	0.06
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.25 ± 0.2	0.148	98.1	-0.35

Sample: N175ADOC

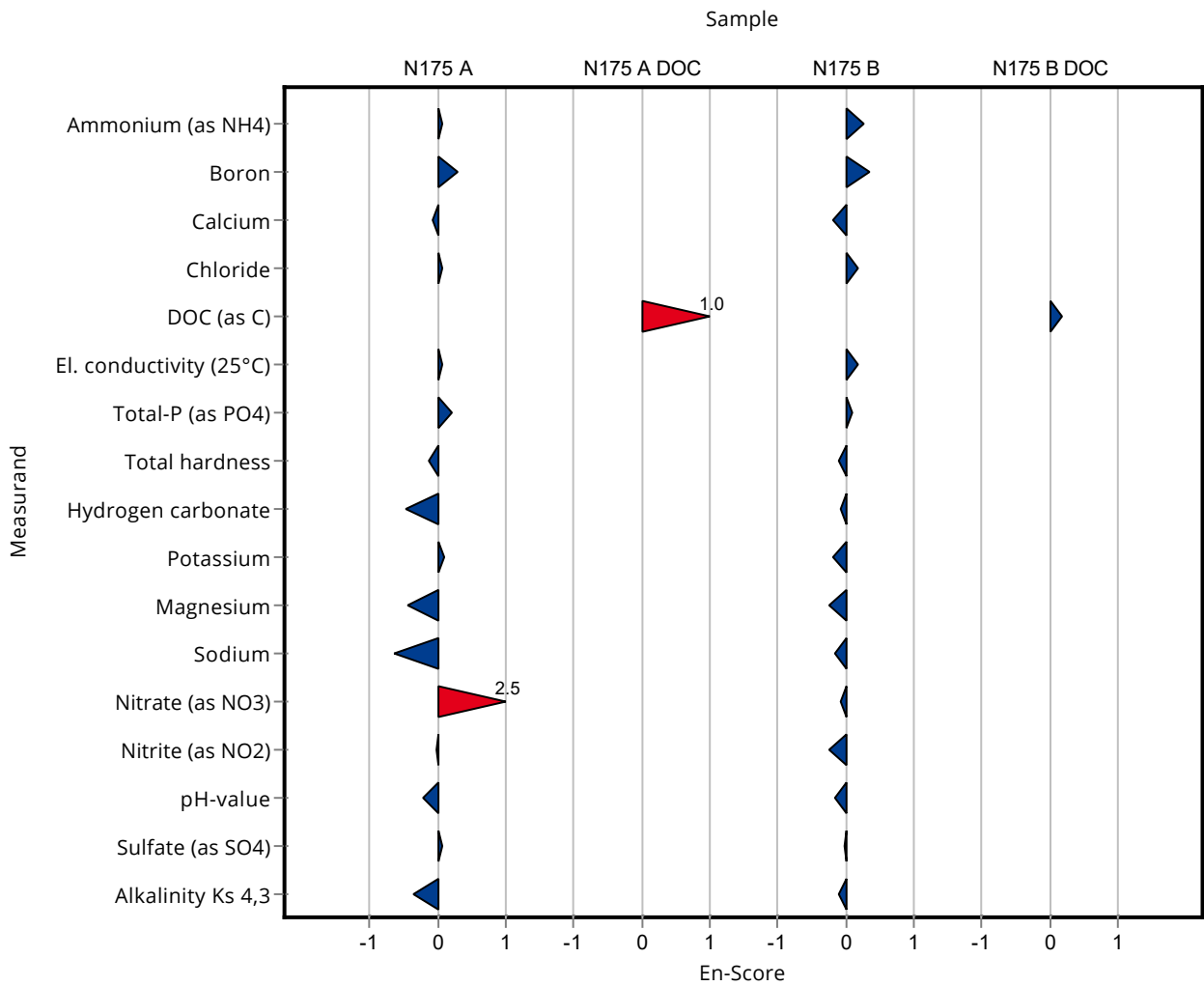
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.9 ± 0.2	0.193	128	1.03

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.324 ± 0.03	0.0369	105	0.28
Boron	mg/l	0.0176 ± 0.00104	0.032 ± 0.02	0.00211	182	0.36
Calcium	mg/l	67.4 ± 0.625	66 ± 4	2.09	97.9	-0.17
Chloride	mg/l	29.3 ± 0.251	30 ± 2	1.17	103	0.18
El. conductivity (25°C)	µS/cm	533 ± 1.36	535 ± 5	6.93	100	0.17
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	2.2 ± 0.2	0.162	102	0.09
Total hardness	mmol/l	2.34 ± 0.0174	2.3 ± 0.2	0.0701	98.4	-0.09
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	220 ± 4	4.41	99.8	-0.06
Potassium	mg/l	2.58 ± 0.0293	2.5 ± 0.2	0.134	96.9	-0.20
Magnesium	mg/l	15.6 ± 0.182	15 ± 1.2	0.622	96.4	-0.23
Sodium	mg/l	16.4 ± 0.195	16 ± 1.3	0.558	97.6	-0.15
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	23 ± 1.8	1.16	98.8	-0.08
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.65 ± 0.06	0.036	95.8	-0.24
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	- ± -	0.0629	-	-
pH-value	-	7.63 ± 0.0362	7.6 ± 0.1	0.153	99.6	-0.16
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	32 ± 2.5	1.06	99.8	-0.01
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.6 ± 0.2	0.0728	98.9	-0.10

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.6 ± 0.4	0.346	104	0.17



Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.035 ± 0.006	0.00643	103	0.18
Boron	mg/l	0.0597 ± 0.00224	0.066 ± 0.009	0.00657	111	0.96
Calcium	mg/l	165 ± 1.53	163.8 ± 17.4	5.12	99.2	-0.27
Chloride	mg/l	102 ± 0.706	99.6 ± 16.7	4.07	97.9	-0.52
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1175 ± 36	15.1	101	0.77
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.167 ± 0.031	0.0121	103	0.46
Total hardness	mmol/l	5.74 ± 0.0381	- ± -	0.172	-	-
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	449.9 ± 17.5	8.99	100	0.04
Potassium	mg/l	2.56 ± 0.0428	2.56 ± 0.28	0.133	99.8	-0.03
Magnesium	mg/l	38.6 ± 0.337	38.35 ± 4.07	1.55	99.3	-0.18
Sodium	mg/l	26.5 ± 0.22	26.58 ± 2.81	0.899	100	0.14
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	- ± -	0.629	-	-
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	- ± -	0.00298	-	-
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.074 ± 0.011	0.0121	85.5	-1.04
pH-value	-	7.54 ± 0.0389	7.47 ± 0.2	0.151	99.1	-0.47
Sulfate (as SO ₄)	mg/l	106 ± 0.909	105 ± 13.6	3.49	99.2	-0.24
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.37 ± 0.29	0.148	99.7	-0.14

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.27 ± 0.25	0.193	85.7	-1.10

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.295 ± 0.046	0.0369	96	-0.33
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	66.5 ± 7.1	2.09	98.7	-0.43
Chloride	mg/l	29.3 ± 0.251	29.5 ± 5	1.17	101	0.20
El. conductivity (25°C)	µS/cm	533 ± 1.36	541.3 ± 19	6.93	102	1.16

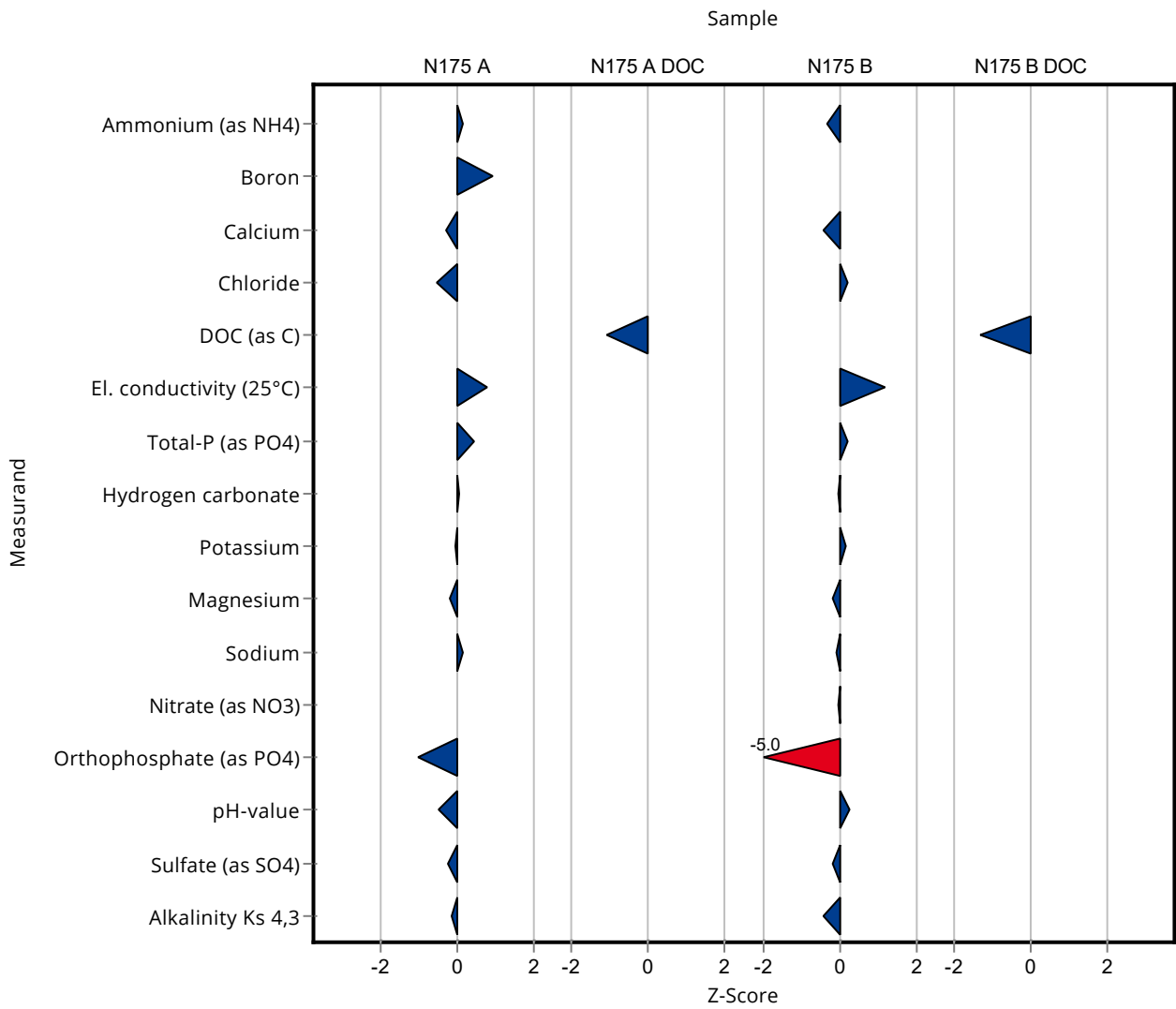
Summary of results Nutrients/Major Ions N175

Labcode: LC0053

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	2.2 ± 0.4	0.162	102	0.21
Total hardness	mmol/l	2.34 ± 0.0174	- ± -	0.0701	-	-
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	220.4 ± 8.6	4.41	100	-0.02
Potassium	mg/l	2.58 ± 0.0293	2.6 ± 0.27	0.134	101	0.16
Magnesium	mg/l	15.6 ± 0.182	15.45 ± 1.61	0.622	99.3	-0.17
Sodium	mg/l	16.4 ± 0.195	16.35 ± 1.71	0.558	99.7	-0.09
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	23.25 ± 3.32	1.16	99.9	-0.03
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	- ± -	0.036	-	-
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.058 ± 0.01	0.0629	15.7	-4.96
pH-value	-	7.63 ± 0.0362	7.67 ± 0.2	0.153	100	0.24
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	31.88 ± 4.16	1.06	99.4	-0.18
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.61 ± 0.14	0.0728	99.2	-0.40

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.01 ± 0.325	0.346	86.9	-1.31



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.035 ± 0.006	0.00643	103	0.09
Boron	mg/l	0.0597 ± 0.00224	0.066 ± 0.009	0.00657	111	0.35
Calcium	mg/l	165 ± 1.53	163.8 ± 17.4	5.12	99.2	-0.04
Chloride	mg/l	102 ± 0.706	99.6 ± 16.7	4.07	97.9	-0.06
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1175 ± 36	15.1	101	0.16
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.167 ± 0.031	0.0121	103	0.09
Total hardness	mmol/l	5.74 ± 0.0381	- ± -	0.172	-	-
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	449.9 ± 17.5	8.99	100	0.01
Potassium	mg/l	2.56 ± 0.0428	2.56 ± 0.28	0.133	99.8	-0.01
Magnesium	mg/l	38.6 ± 0.337	38.35 ± 4.07	1.55	99.3	-0.03
Sodium	mg/l	26.5 ± 0.22	26.58 ± 2.81	0.899	100	0.02
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	- ± -	0.629	-	-
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	- ± -	0.00298	-	-
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.074 ± 0.011	0.0121	85.5	-0.56
pH-value	-	7.54 ± 0.0389	7.47 ± 0.2	0.151	99.1	-0.18
Sulfate (as SO ₄)	mg/l	106 ± 0.909	105 ± 13.6	3.49	99.2	-0.03
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.37 ± 0.29	0.148	99.7	-0.04

Sample: N175ADOC

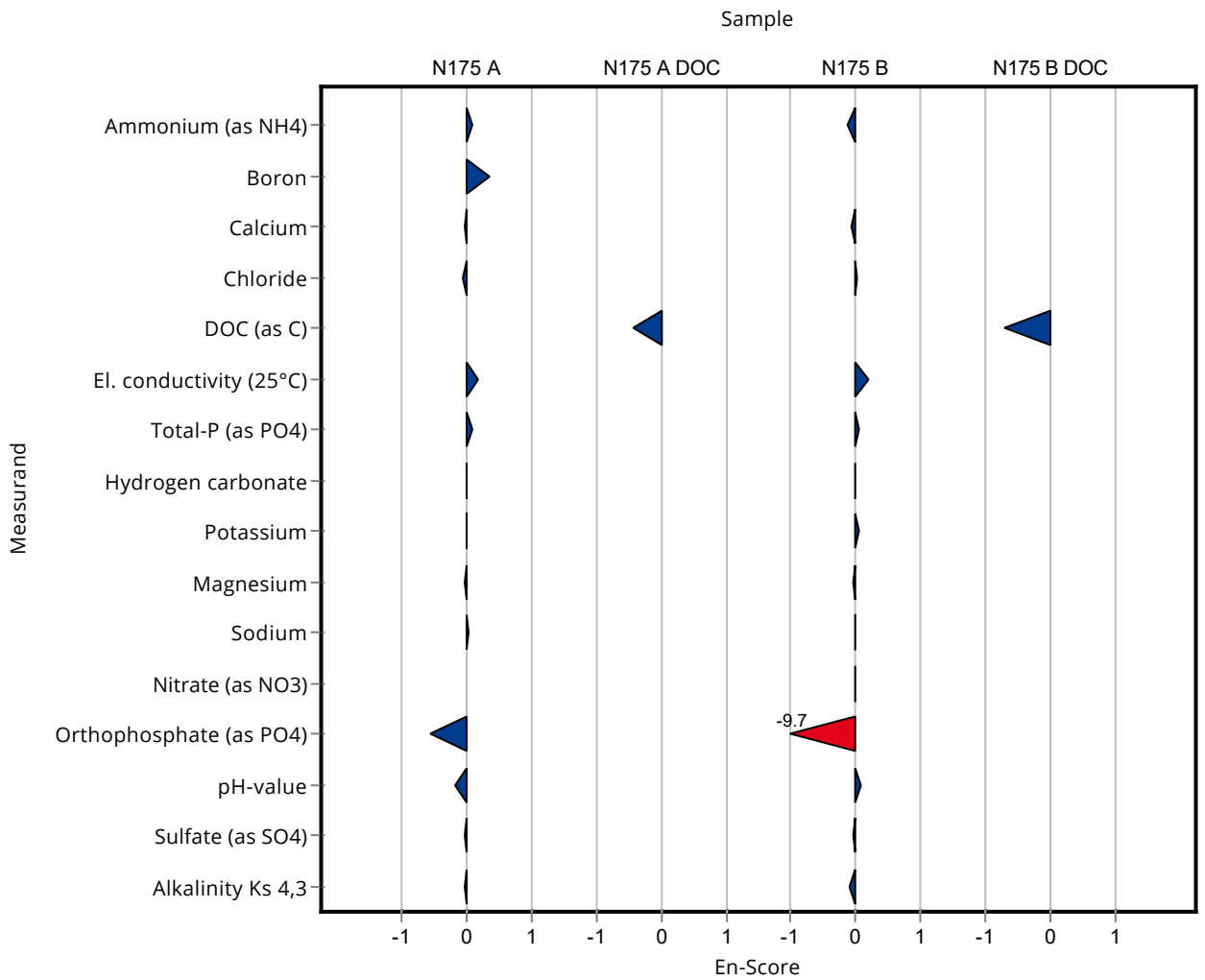
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.27 ± 0.25	0.193	85.7	-0.42

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.295 ± 0.046	0.0369	96	-0.13
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	66.5 ± 7.1	2.09	98.7	-0.06
Chloride	mg/l	29.3 ± 0.251	29.5 ± 5	1.17	101	0.02
El. conductivity (25°C)	µS/cm	533 ± 1.36	541.3 ± 19	6.93	102	0.21
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	2.2 ± 0.4	0.162	102	0.04
Total hardness	mmol/l	2.34 ± 0.0174	- ± -	0.0701	-	-
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	220.4 ± 8.6	4.41	100	-0.01
Potassium	mg/l	2.58 ± 0.0293	2.6 ± 0.27	0.134	101	0.04
Magnesium	mg/l	15.6 ± 0.182	15.45 ± 1.61	0.622	99.3	-0.03
Sodium	mg/l	16.4 ± 0.195	16.35 ± 1.71	0.558	99.7	-0.01
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	23.25 ± 3.32	1.16	99.9	0.00
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	- ± -	0.036	-	-
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.058 ± 0.01	0.0629	15.7	-9.68
pH-value	-	7.63 ± 0.0362	7.67 ± 0.2	0.153	100	0.09
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	31.88 ± 4.16	1.06	99.4	-0.02
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.61 ± 0.14	0.0728	99.2	-0.10

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.01 ± 0.325	0.346	86.9	-0.69



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.0386 ± 0.0032	0.00643	114	0.74
Boron	mg/l	0.0597 ± 0.00224	0.071 ± 0.0071	0.00657	119	1.72
Calcium	mg/l	165 ± 1.53	164 ± 8	5.12	99.3	-0.23
Chloride	mg/l	102 ± 0.706	100.7 ± 5	4.07	99	-0.25
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1161 ± 35	15.1	99.8	-0.16
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.166 ± 0.011	0.0121	103	0.38
Total hardness	mmol/l	5.74 ± 0.0381	5.73 ± 0.44	0.172	99.9	-0.04
Total nitrogen	mg/l	2.96 ± 0.0892	2.6 ± 0.26	0.246	87.7	-1.48
Hydrogen carbonate	mg/l	450 ± 1.44	448 ± 18	8.99	99.6	-0.18
Potassium	mg/l	2.56 ± 0.0428	2.59 ± 0.2	0.133	101	0.19
Magnesium	mg/l	38.6 ± 0.337	39.4 ± 2.3	1.55	102	0.50
Sodium	mg/l	26.5 ± 0.22	26.8 ± 0.8	0.899	101	0.38
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12.1 ± 0.6	0.629	96.1	-0.77
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.0411 ± 0.003	0.00298	108	0.98
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.092 ± 0.0043	0.0121	106	0.45
pH-value	-	7.54 ± 0.0389	7.64 ± 0.3	0.151	101	0.65
Sulfate (as SO ₄)	mg/l	106 ± 0.909	104 ± 6	3.49	98.3	-0.53
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.35 ± 0.25	0.148	99.4	-0.28

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.45 ± 0.13	0.193	97.9	-0.16

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.309 ± 0.025	0.0369	101	0.05
Boron	mg/l	0.0176 ± 0.00104	0.023 ± 0.0023	0.00211	131	2.58
Calcium	mg/l	67.4 ± 0.625	67.5 ± 3.24	2.09	100	0.05
Chloride	mg/l	29.3 ± 0.251	29.6 ± 1.5	1.17	101	0.28
El. conductivity (25°C)	µS/cm	533 ± 1.36	528 ± 16	6.93	99	-0.76

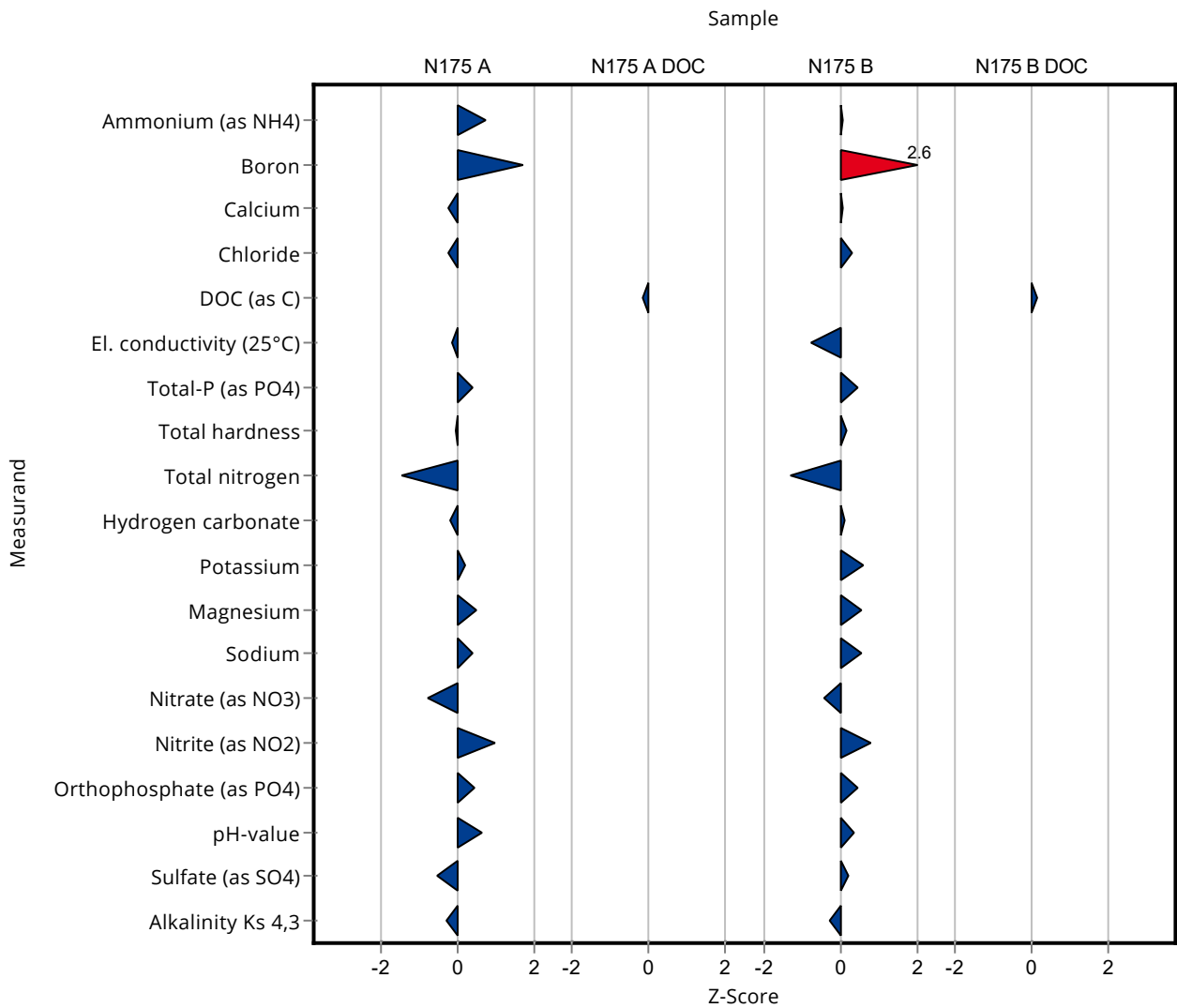
Summary of results Nutrients/Major Ions N175

Labcode: LC0054

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	2.24 ± 0.15	0.162	103	0.46
Total hardness	mmol/l	2.34 ± 0.0174	2.35 ± 0.18	0.0701	101	0.18
Total nitrogen	mg/l	5.8 ± 0.138	5.17 ± 0.52	0.482	89.1	-1.32
Hydrogen carbonate	mg/l	220 ± 0.967	221 ± 9	4.41	100	0.12
Potassium	mg/l	2.58 ± 0.0293	2.66 ± 0.21	0.134	103	0.61
Magnesium	mg/l	15.6 ± 0.182	15.9 ± 1	0.622	102	0.55
Sodium	mg/l	16.4 ± 0.195	16.7 ± 0.5	0.558	102	0.54
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	22.8 ± 1.2	1.16	97.9	-0.41
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.707 ± 0.051	0.036	104	0.80
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.399 ± 0.019	0.0629	108	0.46
pH-value	-	7.63 ± 0.0362	7.69 ± 0.3	0.153	101	0.38
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	32.3 ± 1.8	1.06	101	0.22
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.62 ± 0.12	0.0728	99.5	-0.26

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.51 ± 0.32	0.346	101	0.14



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.0386 ± 0.0032	0.00643	114	0.70
Boron	mg/l	0.0597 ± 0.00224	0.071 ± 0.0071	0.00657	119	0.79
Calcium	mg/l	165 ± 1.53	164 ± 8	5.12	99.3	-0.07
Chloride	mg/l	102 ± 0.706	100.7 ± 5	4.07	99	-0.10
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1161 ± 35	15.1	99.8	-0.03
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.166 ± 0.011	0.0121	103	0.21
Total hardness	mmol/l	5.74 ± 0.0381	5.73 ± 0.44	0.172	99.9	-0.01
Total nitrogen	mg/l	2.96 ± 0.0892	2.6 ± 0.26	0.246	87.7	-0.69
Hydrogen carbonate	mg/l	450 ± 1.44	448 ± 18	8.99	99.6	-0.04
Potassium	mg/l	2.56 ± 0.0428	2.59 ± 0.2	0.133	101	0.06
Magnesium	mg/l	38.6 ± 0.337	39.4 ± 2.3	1.55	102	0.17
Sodium	mg/l	26.5 ± 0.22	26.8 ± 0.8	0.899	101	0.21
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12.1 ± 0.6	0.629	96.1	-0.40
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.0411 ± 0.003	0.00298	108	0.48
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.092 ± 0.0043	0.0121	106	0.56
pH-value	-	7.54 ± 0.0389	7.64 ± 0.3	0.151	101	0.16
Sulfate (as SO ₄)	mg/l	106 ± 0.909	104 ± 6	3.49	98.3	-0.15
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.35 ± 0.25	0.148	99.4	-0.08

Sample: N175ADOC

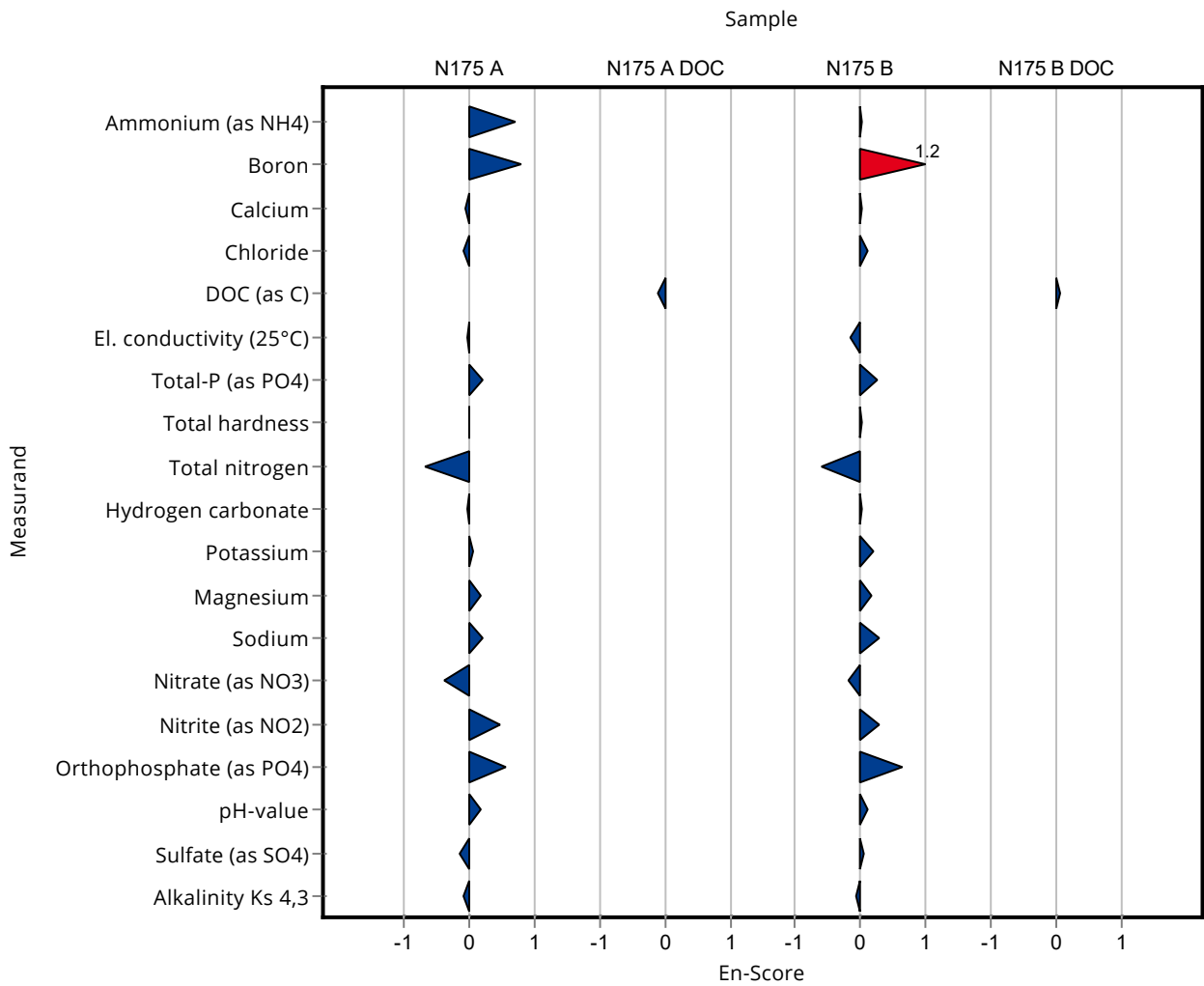
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.45 ± 0.13	0.193	97.9	-0.12

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.309 ± 0.025	0.0369	101	0.04
Boron	mg/l	0.0176 ± 0.00104	0.023 ± 0.0023	0.00211	131	1.15
Calcium	mg/l	67.4 ± 0.625	67.5 ± 3.24	2.09	100	0.01
Chloride	mg/l	29.3 ± 0.251	29.6 ± 1.5	1.17	101	0.11
El. conductivity (25°C)	µS/cm	533 ± 1.36	528 ± 16	6.93	99	-0.16
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	2.24 ± 0.15	0.162	103	0.25
Total hardness	mmol/l	2.34 ± 0.0174	2.35 ± 0.18	0.0701	101	0.04
Total nitrogen	mg/l	5.8 ± 0.138	5.17 ± 0.52	0.482	89.1	-0.60
Hydrogen carbonate	mg/l	220 ± 0.967	221 ± 9	4.41	100	0.03
Potassium	mg/l	2.58 ± 0.0293	2.66 ± 0.21	0.134	103	0.19
Magnesium	mg/l	15.6 ± 0.182	15.9 ± 1	0.622	102	0.17
Sodium	mg/l	16.4 ± 0.195	16.7 ± 0.5	0.558	102	0.29
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	22.8 ± 1.2	1.16	97.9	-0.20
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.707 ± 0.051	0.036	104	0.28
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.399 ± 0.019	0.0629	108	0.63
pH-value	-	7.63 ± 0.0362	7.69 ± 0.3	0.153	101	0.10
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	32.3 ± 1.8	1.06	101	0.06
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.62 ± 0.12	0.0728	99.5	-0.08

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.51 ± 0.32	0.346	101	0.07



Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	- ± -	0.00643	-	-
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	- ± -	5.12	-	-
Chloride	mg/l	102 ± 0.706	- ± -	4.07	-	-
El. conductivity (25°C)	µS/cm	1160 ± 3.02	- ± -	15.1	-	-
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	- ± -	0.0121	-	-
Total hardness	mmol/l	5.74 ± 0.0381	- ± -	0.172	-	-
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	- ± -	8.99	-	-
Potassium	mg/l	2.56 ± 0.0428	- ± -	0.133	-	-
Magnesium	mg/l	38.6 ± 0.337	- ± -	1.55	-	-
Sodium	mg/l	26.5 ± 0.22	- ± -	0.899	-	-
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	- ± -	0.629	-	-
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	- ± -	0.00298	-	-
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	- ± -	0.0121	-	-
pH-value	-	7.54 ± 0.0389	- ± -	0.151	-	-
Sulfate (as SO ₄)	mg/l	106 ± 0.909	- ± -	3.49	-	-
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	- ± -	0.148	-	-

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	- ± -	0.193	-	-

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	- ± -	0.0369	-	-
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	- ± -	2.09	-	-
Chloride	mg/l	29.3 ± 0.251	- ± -	1.17	-	-
El. conductivity (25°C)	µS/cm	533 ± 1.36	- ± -	6.93	-	-

Summary of results Nutrients/Major Ions N175

Labcode: LC0055

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	- ± -	0.162	-	-
Total hardness	mmol/l	2.34 ± 0.0174	- ± -	0.0701	-	-
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	- ± -	4.41	-	-
Potassium	mg/l	2.58 ± 0.0293	- ± -	0.134	-	-
Magnesium	mg/l	15.6 ± 0.182	- ± -	0.622	-	-
Sodium	mg/l	16.4 ± 0.195	- ± -	0.558	-	-
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	- ± -	1.16	-	-
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	- ± -	0.036	-	-
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	- ± -	0.0629	-	-
pH-value	-	7.63 ± 0.0362	- ± -	0.153	-	-
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	- ± -	1.06	-	-
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	- ± -	0.0728	-	-

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	- ± -	0.346	-	-

Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	- ± -	0.00643	-	-
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	- ± -	5.12	-	-
Chloride	mg/l	102 ± 0.706	- ± -	4.07	-	-
El. conductivity (25°C)	µS/cm	1160 ± 3.02	- ± -	15.1	-	-
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	- ± -	0.0121	-	-
Total hardness	mmol/l	5.74 ± 0.0381	- ± -	0.172	-	-
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	- ± -	8.99	-	-
Potassium	mg/l	2.56 ± 0.0428	- ± -	0.133	-	-
Magnesium	mg/l	38.6 ± 0.337	- ± -	1.55	-	-
Sodium	mg/l	26.5 ± 0.22	- ± -	0.899	-	-
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	- ± -	0.629	-	-
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	- ± -	0.00298	-	-
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	- ± -	0.0121	-	-
pH-value	-	7.54 ± 0.0389	- ± -	0.151	-	-
Sulfate (as SO ₄)	mg/l	106 ± 0.909	- ± -	3.49	-	-
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	- ± -	0.148	-	-

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	- ± -	0.193	-	-

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	- ± -	0.0369	-	-
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	- ± -	2.09	-	-
Chloride	mg/l	29.3 ± 0.251	- ± -	1.17	-	-
El. conductivity (25°C)	µS/cm	533 ± 1.36	- ± -	6.93	-	-
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	- ± -	0.162	-	-
Total hardness	mmol/l	2.34 ± 0.0174	- ± -	0.0701	-	-
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	- ± -	4.41	-	-
Potassium	mg/l	2.58 ± 0.0293	- ± -	0.134	-	-
Magnesium	mg/l	15.6 ± 0.182	- ± -	0.622	-	-
Sodium	mg/l	16.4 ± 0.195	- ± -	0.558	-	-
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	- ± -	1.16	-	-
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	- ± -	0.036	-	-
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	- ± -	0.0629	-	-
pH-value	-	7.63 ± 0.0362	- ± -	0.153	-	-
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	- ± -	1.06	-	-
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	- ± -	0.0728	-	-

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	- ± -	0.346	-	-

Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.0683 ± 0.00683	0.00643	202	5.36
Boron	mg/l	0.0597 ± 0.00224	0.052 ± 0.0104	0.00657	87.1	-1.17
Calcium	mg/l	165 ± 1.53	169.57 ± 12.836449	5.12	103	0.86
Chloride	mg/l	102 ± 0.706	99.72 ± 8.157096	4.07	98	-0.49
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1160.5 ± 42.82245	15.1	99.8	-0.19
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.31 ± 0.0465	0.0121	192	12.27
Total hardness	mmol/l	5.74 ± 0.0381	5.78 ± 0.578	0.172	101	0.25
Total nitrogen	mg/l	2.96 ± 0.0892	3.143 ± 0.3143	0.246	106	0.73
Hydrogen carbonate	mg/l	450 ± 1.44	499 ± 49.9	8.99	111	5.50
Potassium	mg/l	2.56 ± 0.0428	2.74 ± 0.304688	0.133	107	1.32
Magnesium	mg/l	38.6 ± 0.337	40.41 ± 2.497338	1.55	105	1.15
Sodium	mg/l	26.5 ± 0.22	27.55 ± 2.17645	0.899	104	1.22
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12.482 ± 1.2482	0.629	99.2	-0.17
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.0329 ± 0.002527	0.00298	86.2	-1.77
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.131 ± 0.0199	0.0121	151	3.67
pH-value	-	7.54 ± 0.0389	7.35 ± 0.076	0.151	97.5	-1.27
Sulfate (as SO ₄)	mg/l	106 ± 0.909	102.06 ± 9.481374	3.49	96.4	-1.08
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	8.18 ± 0.818	0.148	111	5.34

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.35 ± 0.135	0.193	91.1	-0.68

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.316 ± 0.0316	0.0369	103	0.24
Boron	mg/l	0.0176 ± 0.00104	<0.05 (LOQ) ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	71.41 ± 5.405737	2.09	106	1.92
Chloride	mg/l	29.3 ± 0.251	29.86 ± 2.442548	1.17	102	0.51
El. conductivity (25°C)	µS/cm	533 ± 1.36	532 ± 19.6308	6.93	99.8	-0.18

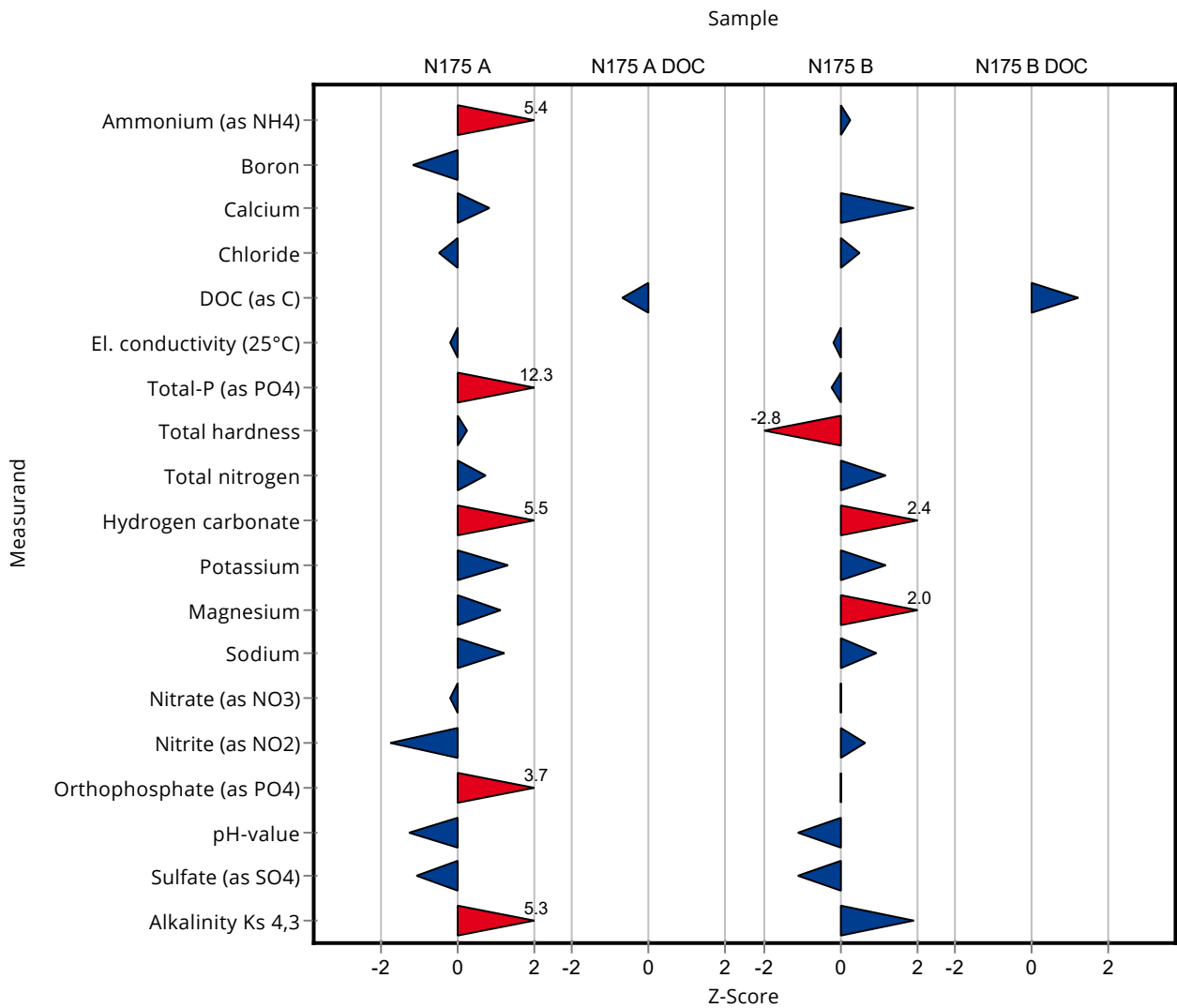
Summary of results Nutrients/Major Ions N175

Labcode: LC0056

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	2.13 ± 0.3195	0.162	98.4	-0.22
Total hardness	mmol/l	2.34 ± 0.0174	2.14 ± 0.214	0.0701	91.6	-2.81
Total nitrogen	mg/l	5.8 ± 0.138	6.367 ± 0.6367	0.482	110	1.17
Hydrogen carbonate	mg/l	220 ± 0.967	231 ± 23.1	4.41	105	2.38
Potassium	mg/l	2.58 ± 0.0293	2.74 ± 0.304688	0.134	106	1.20
Magnesium	mg/l	15.6 ± 0.182	16.81 ± 1.038858	0.622	108	2.02
Sodium	mg/l	16.4 ± 0.195	16.93 ± 1.33747	0.558	103	0.95
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	23.27 ± 2.3268	1.16	99.9	-0.01
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.701 ± 0.053837	0.036	103	0.63
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.372 ± 0.0564	0.0629	100	0.03
pH-value	-	7.63 ± 0.0362	7.46 ± 0.076	0.153	97.7	-1.13
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	30.9 ± 2.87061	1.06	96.3	-1.11
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.78 ± 0.378	0.0728	104	1.93

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.88 ± 0.388	0.346	112	1.21



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.0683 ± 0.00683	0.00643	202	2.49
Boron	mg/l	0.0597 ± 0.00224	0.052 ± 0.0104	0.00657	87.1	-0.37
Calcium	mg/l	165 ± 1.53	169.57 ± 12.836449	5.12	103	0.17
Chloride	mg/l	102 ± 0.706	99.72 ± 8.157096	4.07	98	-0.12
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1160.5 ± 42.82245	15.1	99.8	-0.03
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.31 ± 0.0465	0.0121	192	1.60
Total hardness	mmol/l	5.74 ± 0.0381	5.78 ± 0.578	0.172	101	0.04
Total nitrogen	mg/l	2.96 ± 0.0892	3.143 ± 0.3143	0.246	106	0.28
Hydrogen carbonate	mg/l	450 ± 1.44	499 ± 49.9	8.99	111	0.50
Potassium	mg/l	2.56 ± 0.0428	2.74 ± 0.304688	0.133	107	0.29
Magnesium	mg/l	38.6 ± 0.337	40.41 ± 2.497338	1.55	105	0.36
Sodium	mg/l	26.5 ± 0.22	27.55 ± 2.17645	0.899	104	0.25
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12.482 ± 1.2482	0.629	99.2	-0.04
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.0329 ± 0.002527	0.00298	86.2	-1.02
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.131 ± 0.0199	0.0121	151	1.11
pH-value	-	7.54 ± 0.0389	7.35 ± 0.076	0.151	97.5	-1.22
Sulfate (as SO ₄)	mg/l	106 ± 0.909	102.06 ± 9.481374	3.49	96.4	-0.20
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	8.18 ± 0.818	0.148	111	0.48

Sample: N175ADOC

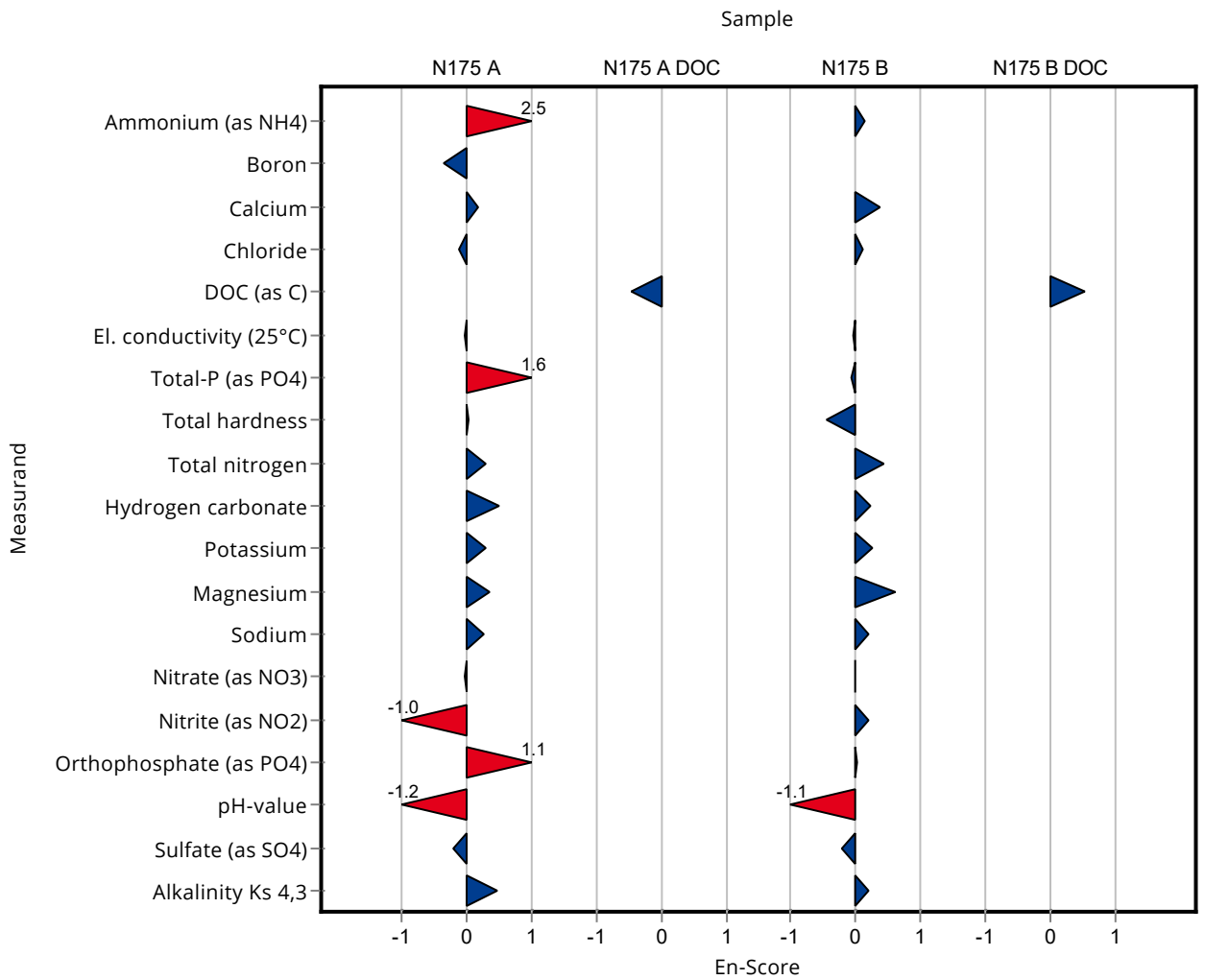
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.35 ± 0.135	0.193	91.1	-0.48

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.316 ± 0.0316	0.0369	103	0.14
Boron	mg/l	0.0176 ± 0.00104	<0.05 (LOQ) ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	71.41 ± 5.405737	2.09	106	0.37
Chloride	mg/l	29.3 ± 0.251	29.86 ± 2.442548	1.17	102	0.12
El. conductivity (25°C)	µS/cm	533 ± 1.36	532 ± 19.6308	6.93	99.8	-0.03
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	2.13 ± 0.3195	0.162	98.4	-0.05
Total hardness	mmol/l	2.34 ± 0.0174	2.14 ± 0.214	0.0701	91.6	-0.46
Total nitrogen	mg/l	5.8 ± 0.138	6.367 ± 0.6367	0.482	110	0.44
Hydrogen carbonate	mg/l	220 ± 0.967	231 ± 23.1	4.41	105	0.23
Potassium	mg/l	2.58 ± 0.0293	2.74 ± 0.304688	0.134	106	0.26
Magnesium	mg/l	15.6 ± 0.182	16.81 ± 1.038858	0.622	108	0.60
Sodium	mg/l	16.4 ± 0.195	16.93 ± 1.33747	0.558	103	0.20
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	23.27 ± 2.3268	1.16	99.9	0.00
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.701 ± 0.053837	0.036	103	0.21
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.372 ± 0.0564	0.0629	100	0.01
pH-value	-	7.63 ± 0.0362	7.46 ± 0.076	0.153	97.7	-1.11
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	30.9 ± 2.87061	1.06	96.3	-0.20
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.78 ± 0.378	0.0728	104	0.19

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.88 ± 0.388	0.346	112	0.54



Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	<0.1 (LOQ) ± -	0.00643	-	-
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	166 ± 13	5.12	100	0.16
Chloride	mg/l	102 ± 0.706	100 ± 7.5	4.07	98.3	-0.42
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1175 ± 35	15.1	101	0.77
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	- ± -	0.0121	-	-
Total hardness	mmol/l	5.74 ± 0.0381	5.85 ± 0.44	0.172	102	0.66
Total nitrogen	mg/l	2.96 ± 0.0892	2.9 ± 0.29	0.246	97.8	-0.26
Hydrogen carbonate	mg/l	450 ± 1.44	452 ± 6.8	8.99	101	0.27
Potassium	mg/l	2.56 ± 0.0428	2.58 ± 0.2	0.133	101	0.12
Magnesium	mg/l	38.6 ± 0.337	40.2 ± 3	1.55	104	1.02
Sodium	mg/l	26.5 ± 0.22	26.8 ± 2	0.899	101	0.38
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	13.1 ± 0.98	0.629	104	0.82
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.05 ± 0.005	0.00298	131	3.97
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.077 ± 0.012	0.0121	89	-0.79
pH-value	-	7.54 ± 0.0389	7.68 ± 0.38	0.151	102	0.92
Sulfate (as SO ₄)	mg/l	106 ± 0.909	104 ± 7.8	3.49	98.3	-0.53
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.4 ± 0.11	0.148	100	0.06

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.33 ± 0.13	0.193	89.8	-0.79

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	<0.1 (LOQ) ± -	0.0369	-	-
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	71 ± 5	2.09	105	1.72
Chloride	mg/l	29.3 ± 0.251	29 ± 2.2	1.17	99.1	-0.23
El. conductivity (25°C)	µS/cm	533 ± 1.36	535 ± 16	6.93	100	0.25

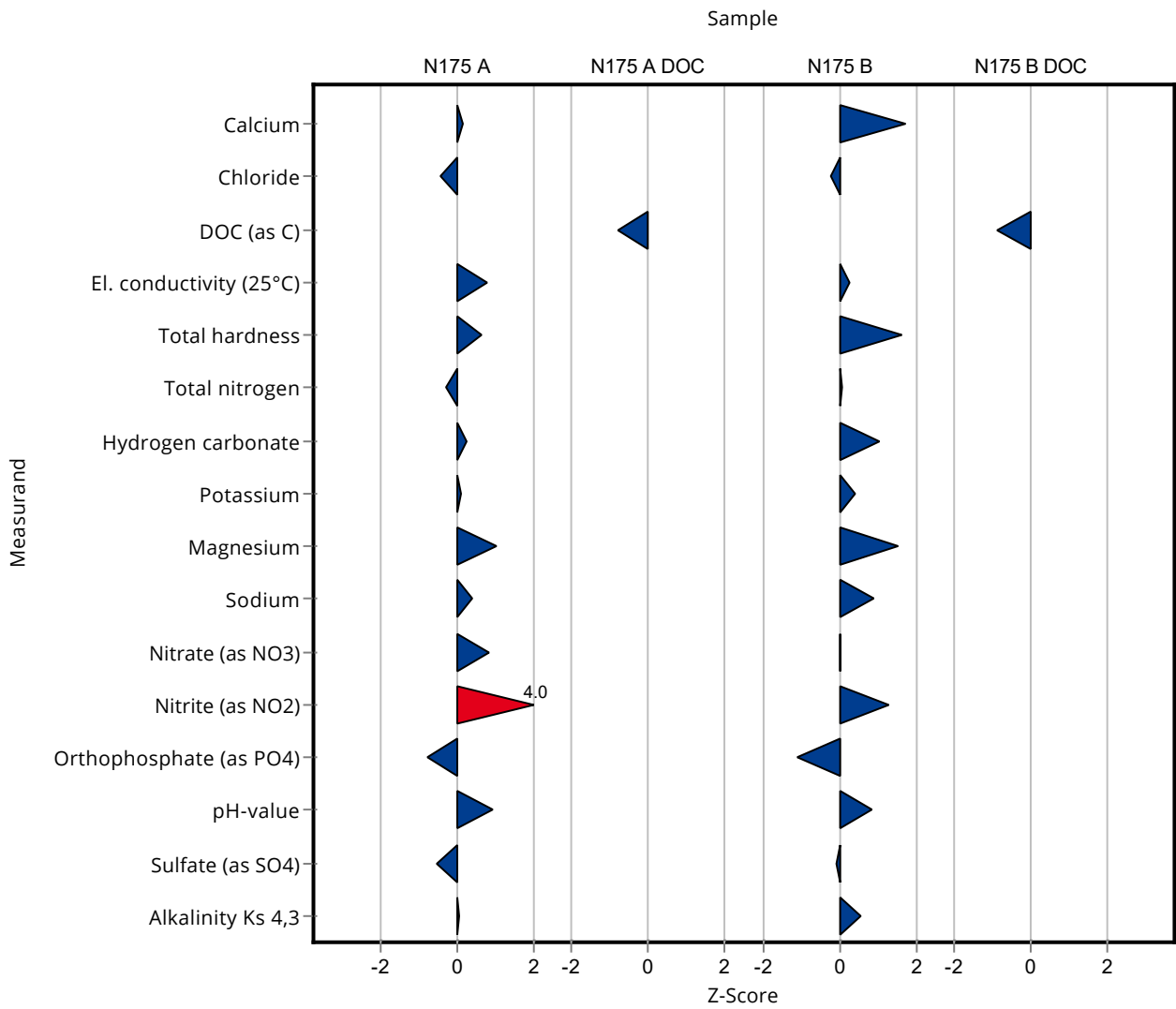
Summary of results Nutrients/Major Ions N175

Labcode: LC0057

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	- ± -	0.162	-	-
Total hardness	mmol/l	2.34 ± 0.0174	2.45 ± 0.18	0.0701	105	1.61
Total nitrogen	mg/l	5.8 ± 0.138	5.84 ± 0.58	0.482	101	0.07
Hydrogen carbonate	mg/l	220 ± 0.967	225 ± 3.4	4.41	102	1.02
Potassium	mg/l	2.58 ± 0.0293	2.63 ± 0.2	0.134	102	0.38
Magnesium	mg/l	15.6 ± 0.182	16.5 ± 1.2	0.622	106	1.52
Sodium	mg/l	16.4 ± 0.195	16.9 ± 1.3	0.558	103	0.90
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	23.3 ± 1.75	1.16	100	0.02
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.725 ± 0.073	0.036	107	1.30
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.301 ± 0.045	0.0629	81.3	-1.10
pH-value	-	7.63 ± 0.0362	7.76 ± 0.39	0.153	102	0.83
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	32 ± 2.4	1.06	99.8	-0.07
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.68 ± 0.06	0.0728	101	0.56

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.15 ± 0.31	0.346	91	-0.90



Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	<0.1 (LOQ) ± -	0.00643	-	-
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	166 ± 13	5.12	100	0.03
Chloride	mg/l	102 ± 0.706	100 ± 7.5	4.07	98.3	-0.11
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1175 ± 35	15.1	101	0.17
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	- ± -	0.0121	-	-
Total hardness	mmol/l	5.74 ± 0.0381	5.85 ± 0.44	0.172	102	0.13
Total nitrogen	mg/l	2.96 ± 0.0892	2.9 ± 0.29	0.246	97.8	-0.11
Hydrogen carbonate	mg/l	450 ± 1.44	452 ± 6.8	8.99	101	0.18
Potassium	mg/l	2.56 ± 0.0428	2.58 ± 0.2	0.133	101	0.04
Magnesium	mg/l	38.6 ± 0.337	40.2 ± 3	1.55	104	0.26
Sodium	mg/l	26.5 ± 0.22	26.8 ± 2	0.899	101	0.09
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	13.1 ± 0.98	0.629	104	0.26
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.05 ± 0.005	0.00298	131	1.18
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.077 ± 0.012	0.0121	89	-0.39
pH-value	-	7.54 ± 0.0389	7.68 ± 0.38	0.151	102	0.18
Sulfate (as SO ₄)	mg/l	106 ± 0.909	104 ± 7.8	3.49	98.3	-0.12
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.4 ± 0.11	0.148	100	0.04

Sample: N175ADOC

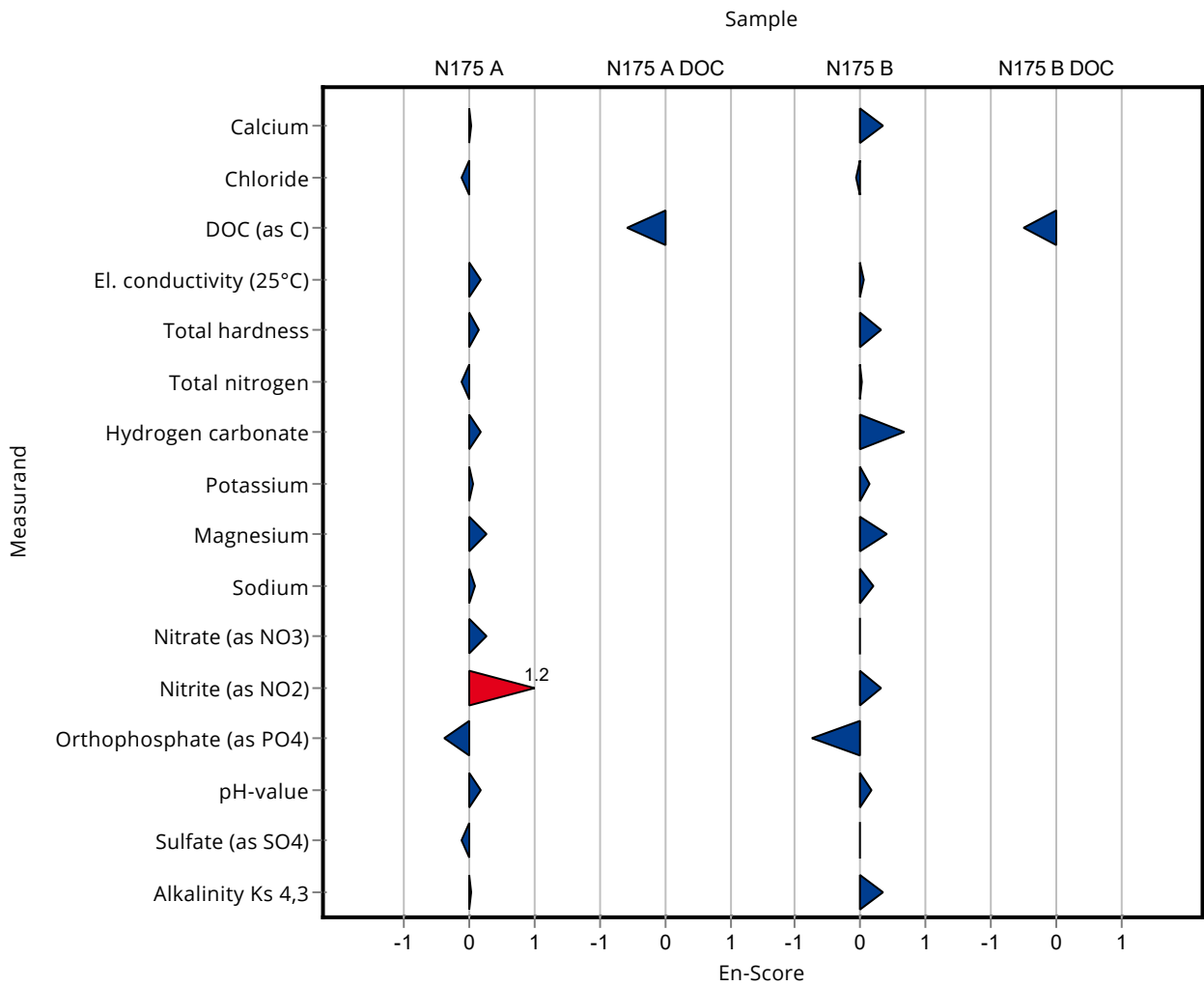
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.33 ± 0.13	0.193	89.8	-0.57

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	<0.1 (LOQ) ± -	0.0369	-	-
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	71 ± 5	2.09	105	0.36
Chloride	mg/l	29.3 ± 0.251	29 ± 2.2	1.17	99.1	-0.06
El. conductivity (25°C)	µS/cm	533 ± 1.36	535 ± 16	6.93	100	0.05
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	- ± -	0.162	-	-
Total hardness	mmol/l	2.34 ± 0.0174	2.45 ± 0.18	0.0701	105	0.31
Total nitrogen	mg/l	5.8 ± 0.138	5.84 ± 0.58	0.482	101	0.03
Hydrogen carbonate	mg/l	220 ± 0.967	225 ± 3.4	4.41	102	0.66
Potassium	mg/l	2.58 ± 0.0293	2.63 ± 0.2	0.134	102	0.13
Magnesium	mg/l	15.6 ± 0.182	16.5 ± 1.2	0.622	106	0.39
Sodium	mg/l	16.4 ± 0.195	16.9 ± 1.3	0.558	103	0.19
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	23.3 ± 1.75	1.16	100	0.01
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.725 ± 0.073	0.036	107	0.32
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.301 ± 0.045	0.0629	81.3	-0.74
pH-value	-	7.63 ± 0.0362	7.76 ± 0.39	0.153	102	0.16
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	32 ± 2.4	1.06	99.8	-0.01
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.68 ± 0.06	0.0728	101	0.34

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.15 ± 0.31	0.346	91	-0.50



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.0321 ± 0.0046	0.00643	94.8	-0.27
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	163 ± 13	5.12	98.7	-0.42
Chloride	mg/l	102 ± 0.706	98.3 ± 8.4	4.07	96.7	-0.84
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1172 ± 65	15.1	101	0.57
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.153 ± 0.016	0.0121	94.8	-0.70
Total hardness	mmol/l	5.74 ± 0.0381	5.63 ± 0.45	0.172	98.1	-0.62
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	452 ± 66	8.99	101	0.27
Potassium	mg/l	2.56 ± 0.0428	2.84 ± 0.2	0.133	111	2.07
Magnesium	mg/l	38.6 ± 0.337	38 ± 2.6	1.55	98.4	-0.41
Sodium	mg/l	26.5 ± 0.22	25.8 ± 2.04	0.899	97.5	-0.73
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12.3 ± 1.1	0.629	97.7	-0.46
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.072 ± 0.007	0.00298	189	11.36
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.0643 ± 0.0127	0.0121	74.3	-1.84
pH-value	-	7.54 ± 0.0389	7.43 ± 0.36	0.151	98.5	-0.74
Sulfate (as SO ₄)	mg/l	106 ± 0.909	100 ± 7.5	3.49	94.5	-1.67
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.4 ± 1.08	0.148	100	0.06

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.75 ± 0.283	0.193	118	1.39

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.294 ± 0.042	0.0369	95.7	-0.36
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	67.7 ± 5.4	2.09	100	0.14
Chloride	mg/l	29.3 ± 0.251	112 ± 9.5	1.17	383	70.67
El. conductivity (25°C)	µS/cm	533 ± 1.36	534 ± 29.7	6.93	100	0.11

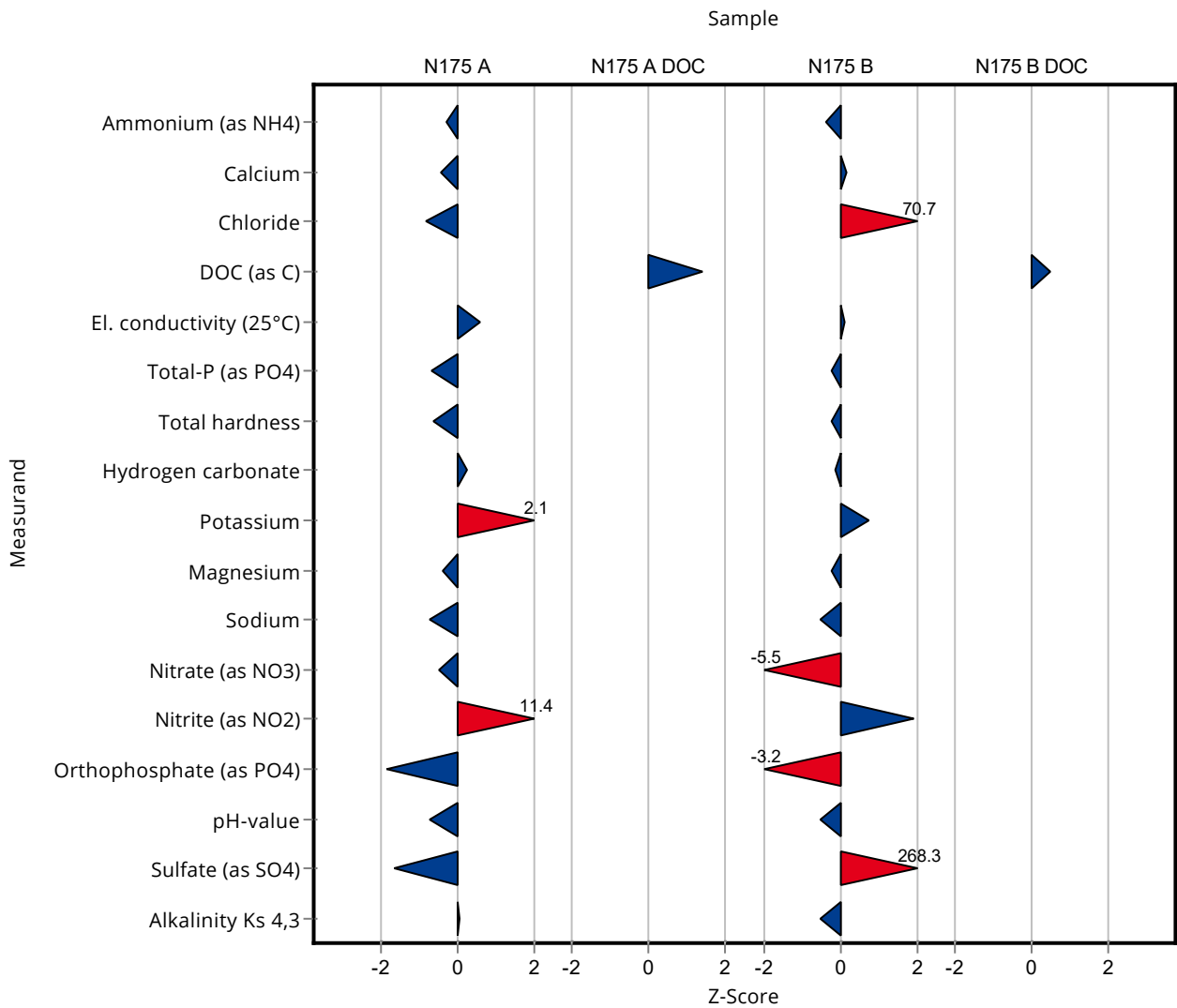
Summary of results Nutrients/Major Ions N175

Labcode: LC0058

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	2.13 ± 0.23	0.162	98.4	-0.22
Total hardness	mmol/l	2.34 ± 0.0174	2.32 ± 0.19	0.0701	99.3	-0.25
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	220 ± 32	4.41	99.8	-0.11
Potassium	mg/l	2.58 ± 0.0293	2.68 ± 0.19	0.134	104	0.75
Magnesium	mg/l	15.6 ± 0.182	15.4 ± 1.1	0.622	99	-0.25
Sodium	mg/l	16.4 ± 0.195	16.1 ± 1.27	0.558	98.2	-0.54
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	16.9 ± 1.5	1.16	72.6	-5.48
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.747 ± 0.075	0.036	110	1.91
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.169 ± 0.033	0.0629	45.6	-3.20
pH-value	-	7.63 ± 0.0362	7.55 ± 0.37	0.153	98.9	-0.54
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	316 ± 23.7	1.06	985	268.27
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.6 ± 0.53	0.0728	98.9	-0.54

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.62 ± 0.482	0.346	105	0.46



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.0321 ± 0.0046	0.00643	94.8	-0.19
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	163 ± 13	5.12	98.7	-0.08
Chloride	mg/l	102 ± 0.706	98.3 ± 8.4	4.07	96.7	-0.20
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1172 ± 65	15.1	101	0.07
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.153 ± 0.016	0.0121	94.8	-0.26
Total hardness	mmol/l	5.74 ± 0.0381	5.63 ± 0.45	0.172	98.1	-0.12
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	452 ± 66	8.99	101	0.02
Potassium	mg/l	2.56 ± 0.0428	2.84 ± 0.2	0.133	111	0.69
Magnesium	mg/l	38.6 ± 0.337	38 ± 2.6	1.55	98.4	-0.12
Sodium	mg/l	26.5 ± 0.22	25.8 ± 2.04	0.899	97.5	-0.16
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12.3 ± 1.1	0.629	97.7	-0.13
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.072 ± 0.007	0.00298	189	2.41
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.0643 ± 0.0127	0.0121	74.3	-0.86
pH-value	-	7.54 ± 0.0389	7.43 ± 0.36	0.151	98.5	-0.15
Sulfate (as SO ₄)	mg/l	106 ± 0.909	100 ± 7.5	3.49	94.5	-0.39
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.4 ± 1.08	0.148	100	0.00

Sample: N175ADOC

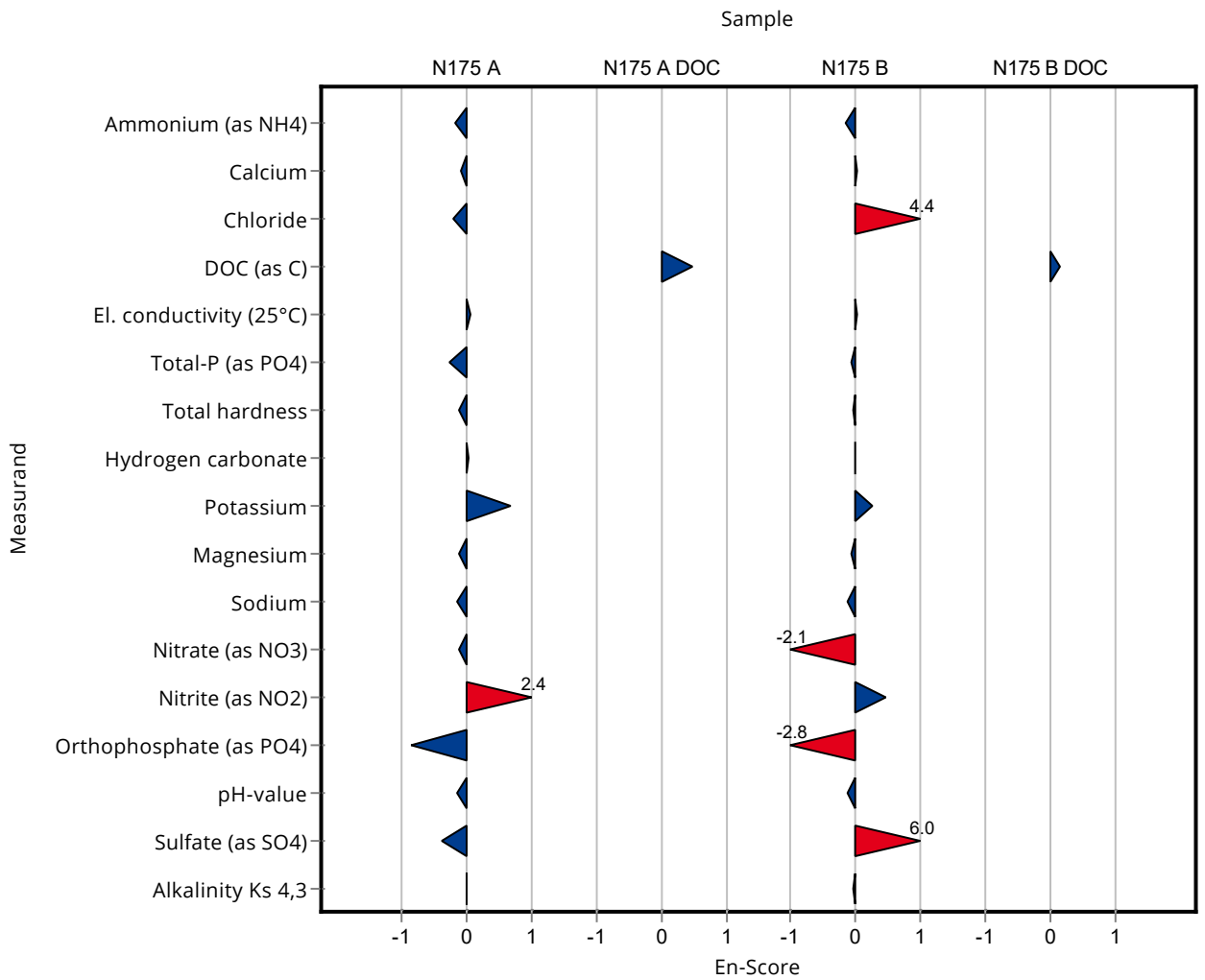
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.75 ± 0.283	0.193	118	0.47

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.294 ± 0.042	0.0369	95.7	-0.16
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	67.7 ± 5.4	2.09	100	0.03
Chloride	mg/l	29.3 ± 0.251	112 ± 9.5	1.17	383	4.35
El. conductivity (25°C)	µS/cm	533 ± 1.36	534 ± 29.7	6.93	100	0.01
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	2.13 ± 0.23	0.162	98.4	-0.08
Total hardness	mmol/l	2.34 ± 0.0174	2.32 ± 0.19	0.0701	99.3	-0.05
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	220 ± 32	4.41	99.8	-0.01
Potassium	mg/l	2.58 ± 0.0293	2.68 ± 0.19	0.134	104	0.27
Magnesium	mg/l	15.6 ± 0.182	15.4 ± 1.1	0.622	99	-0.07
Sodium	mg/l	16.4 ± 0.195	16.1 ± 1.27	0.558	98.2	-0.12
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	16.9 ± 1.5	1.16	72.6	-2.12
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.747 ± 0.075	0.036	110	0.46
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.169 ± 0.033	0.0629	45.6	-2.85
pH-value	-	7.63 ± 0.0362	7.55 ± 0.37	0.153	98.9	-0.11
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	316 ± 23.7	1.06	985	5.99
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.6 ± 0.53	0.0728	98.9	-0.04

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.62 ± 0.482	0.346	105	0.16



Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	- ± -	0.00643	-	-
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	- ± -	5.12	-	-
Chloride	mg/l	102 ± 0.706	- ± -	4.07	-	-
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1163 ± 35	15.1	100	-0.02
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.056 ± 0.008	0.0121	34.7	-8.71
Total hardness	mmol/l	5.74 ± 0.0381	- ± -	0.172	-	-
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	448 ± 36	8.99	99.6	-0.18
Potassium	mg/l	2.56 ± 0.0428	- ± -	0.133	-	-
Magnesium	mg/l	38.6 ± 0.337	- ± -	1.55	-	-
Sodium	mg/l	26.5 ± 0.22	- ± -	0.899	-	-
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	- ± -	0.629	-	-
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	- ± -	0.00298	-	-
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.028 ± 0.003	0.0121	32.3	-4.83
pH-value	-	7.54 ± 0.0389	7.42 ± 0.03	0.151	98.4	-0.80
Sulfate (as SO ₄)	mg/l	106 ± 0.909	- ± -	3.49	-	-
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.34 ± 0.6	0.148	99.3	-0.35

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	- ± -	0.193	-	-

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	- ± -	0.0369	-	-
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	- ± -	2.09	-	-
Chloride	mg/l	29.3 ± 0.251	- ± -	1.17	-	-
El. conductivity (25°C)	µS/cm	533 ± 1.36	534 ± 16	6.93	100	0.11

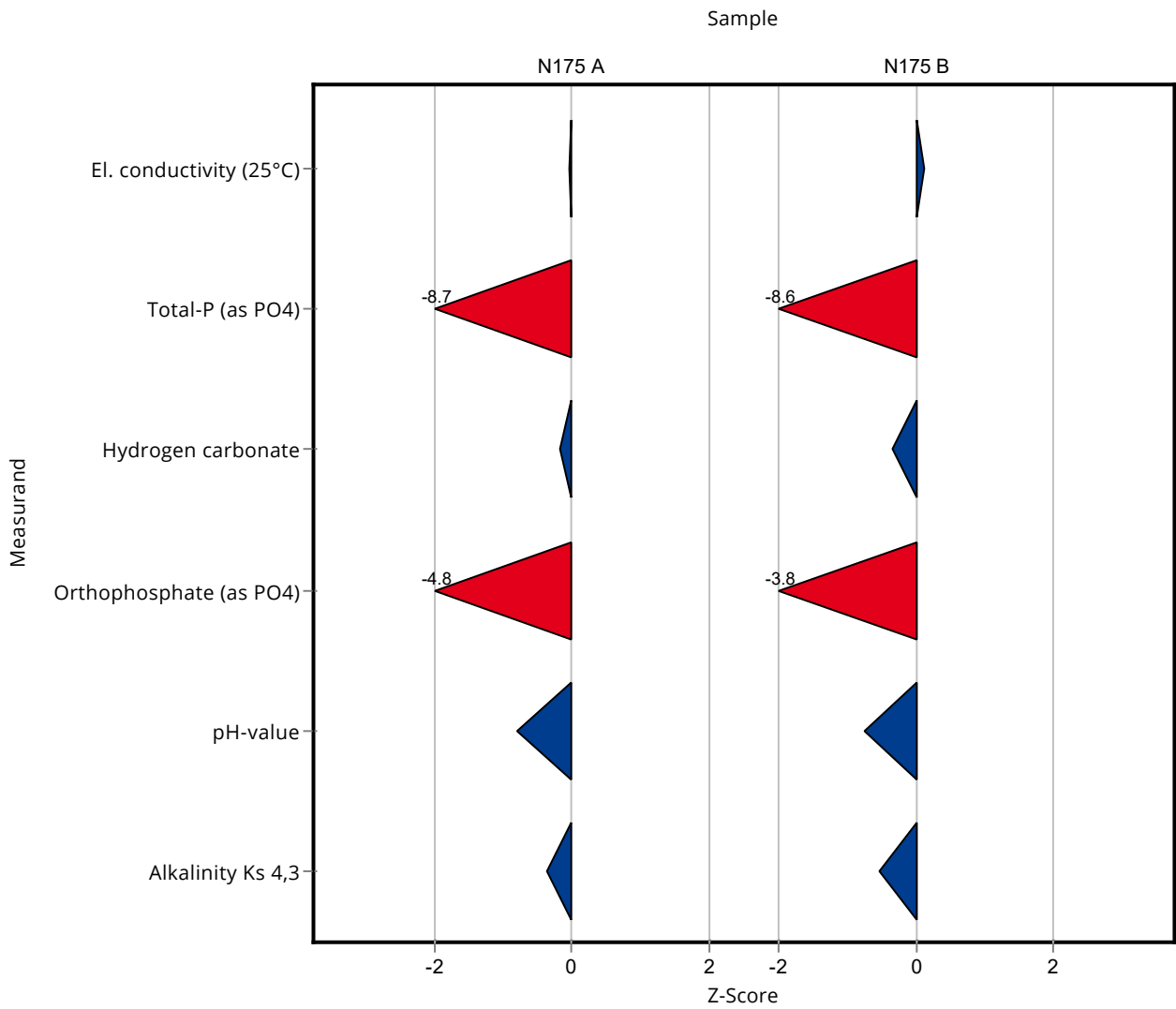
Summary of results Nutrients/Major Ions N175

Labcode: LC0059

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	0.767 ± 0.115	0.162	35.4	-8.61
Total hardness	mmol/l	2.34 ± 0.0174	- ± -	0.0701	-	-
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	219 ± 18	4.41	99.3	-0.34
Potassium	mg/l	2.58 ± 0.0293	- ± -	0.134	-	-
Magnesium	mg/l	15.6 ± 0.182	- ± -	0.622	-	-
Sodium	mg/l	16.4 ± 0.195	- ± -	0.558	-	-
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	- ± -	1.16	-	-
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	- ± -	0.036	-	-
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.133 ± 0.015	0.0629	35.9	-3.77
pH-value	-	7.63 ± 0.0362	7.52 ± 0.03	0.153	98.5	-0.74
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	- ± -	1.06	-	-
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.6 ± 0.3	0.0728	98.9	-0.54

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	- ± -	0.346	-	-



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	- ± -	0.00643	-	-
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	- ± -	5.12	-	-
Chloride	mg/l	102 ± 0.706	- ± -	4.07	-	-
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1163 ± 35	15.1	100	-0.01
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.056 ± 0.008	0.0121	34.7	-6.44
Total hardness	mmol/l	5.74 ± 0.0381	- ± -	0.172	-	-
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	448 ± 36	8.99	99.6	-0.02
Potassium	mg/l	2.56 ± 0.0428	- ± -	0.133	-	-
Magnesium	mg/l	38.6 ± 0.337	- ± -	1.55	-	-
Sodium	mg/l	26.5 ± 0.22	- ± -	0.899	-	-
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	- ± -	0.629	-	-
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	- ± -	0.00298	-	-
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.028 ± 0.003	0.0121	32.3	-7.86
pH-value	-	7.54 ± 0.0389	7.42 ± 0.03	0.151	98.4	-1.70
Sulfate (as SO ₄)	mg/l	106 ± 0.909	- ± -	3.49	-	-
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.34 ± 0.6	0.148	99.3	-0.04

Sample: N175ADOC

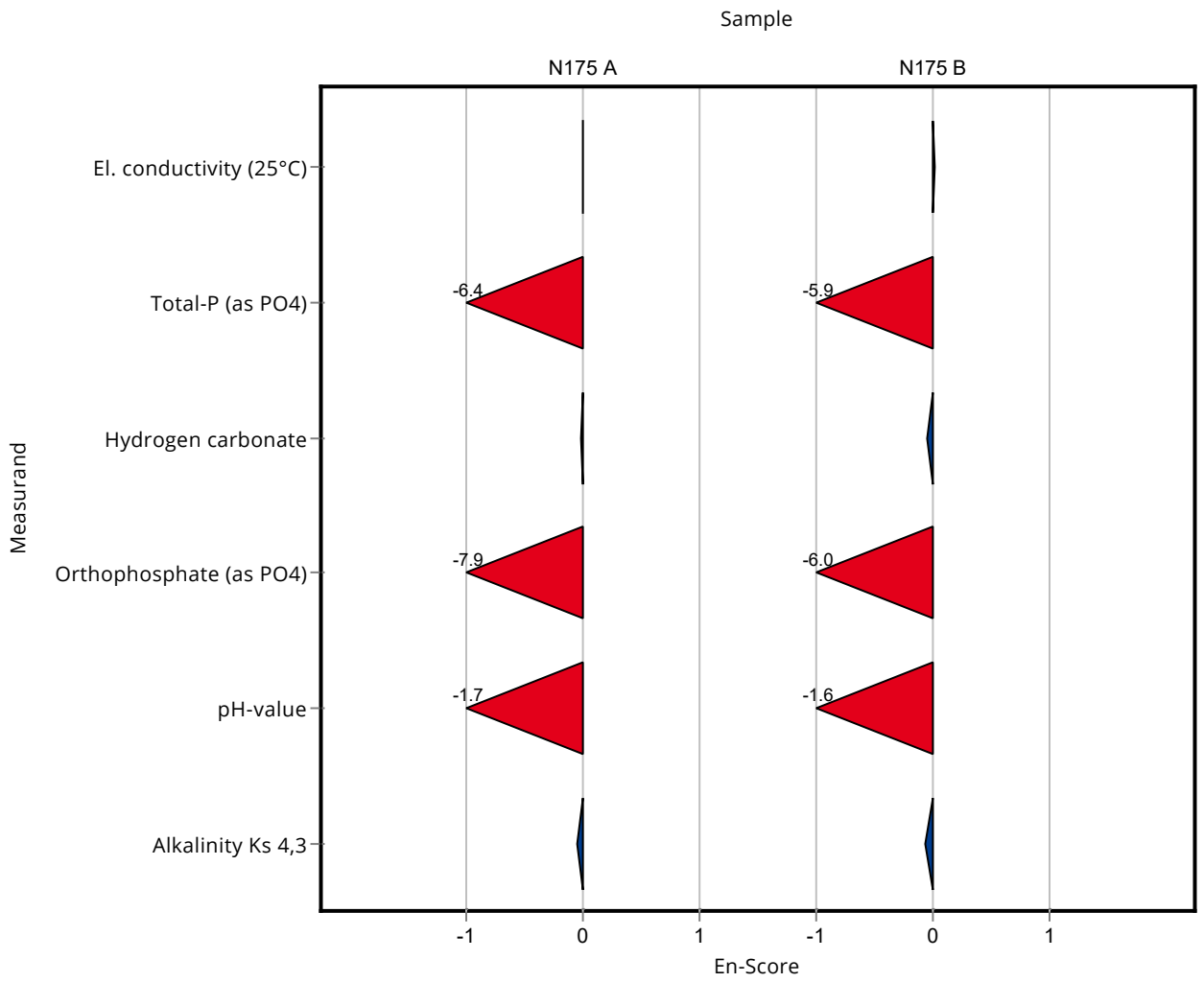
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	- ± -	0.193	-	-

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	- ± -	0.0369	-	-
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	- ± -	2.09	-	-
Chloride	mg/l	29.3 ± 0.251	- ± -	1.17	-	-
El. conductivity (25°C)	µS/cm	533 ± 1.36	534 ± 16	6.93	100	0.02
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	0.767 ± 0.115	0.162	35.4	-5.93
Total hardness	mmol/l	2.34 ± 0.0174	- ± -	0.0701	-	-
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	219 ± 18	4.41	99.3	-0.04
Potassium	mg/l	2.58 ± 0.0293	- ± -	0.134	-	-
Magnesium	mg/l	15.6 ± 0.182	- ± -	0.622	-	-
Sodium	mg/l	16.4 ± 0.195	- ± -	0.558	-	-
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	- ± -	1.16	-	-
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	- ± -	0.036	-	-
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.133 ± 0.015	0.0629	35.9	-6.04
pH-value	-	7.63 ± 0.0362	7.52 ± 0.03	0.153	98.5	-1.61
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	- ± -	1.06	-	-
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.6 ± 0.3	0.0728	98.9	-0.07

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	- ± -	0.346	-	-



Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.03 ± 0.003	0.00643	88.6	-0.60
Boron	mg/l	0.0597 ± 0.00224	0.053 ± 0.00265	0.00657	88.8	-1.02
Calcium	mg/l	165 ± 1.53	161 ± 8.05	5.12	97.5	-0.82
Chloride	mg/l	102 ± 0.706	101 ± 5.05	4.07	99.3	-0.17
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1158 ± 20	15.1	99.5	-0.35
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.173 ± 0.0173	0.0121	107	0.96
Total hardness	mmol/l	5.74 ± 0.0381	5.56 ± 0.28	0.172	96.9	-1.03
Total nitrogen	mg/l	2.96 ± 0.0892	3.57 ± 0.357	0.246	120	2.46
Hydrogen carbonate	mg/l	450 ± 1.44	446 ± 22.3	8.99	99.2	-0.40
Potassium	mg/l	2.56 ± 0.0428	2.53 ± 0.1265	0.133	98.7	-0.26
Magnesium	mg/l	38.6 ± 0.337	37.4 ± 1.87	1.55	96.8	-0.79
Sodium	mg/l	26.5 ± 0.22	26.2 ± 1.31	0.899	99	-0.28
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12.5 ± 0.625	0.629	99.3	-0.14
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.042 ± 0.0042	0.00298	110	1.28
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.096 ± 0.0096	0.0121	111	0.78
pH-value	-	7.54 ± 0.0389	7.58 ± 0.1	0.151	101	0.26
Sulfate (as SO ₄)	mg/l	106 ± 0.909	105 ± 5.25	3.49	99.2	-0.24
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.36 ± 0.368	0.148	99.6	-0.21

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.53 ± 0.1224	0.193	103	0.25

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.335 ± 0.003	0.0369	109	0.75
Boron	mg/l	0.0176 ± 0.00104	0.015 ± 0.00265	0.00211	85.4	-1.21
Calcium	mg/l	67.4 ± 0.625	66.9 ± 8.05	2.09	99.3	-0.24
Chloride	mg/l	29.3 ± 0.251	28 ± 5.05	1.17	95.7	-1.08
El. conductivity (25°C)	µS/cm	533 ± 1.36	534 ± 19.686	6.93	100	0.11

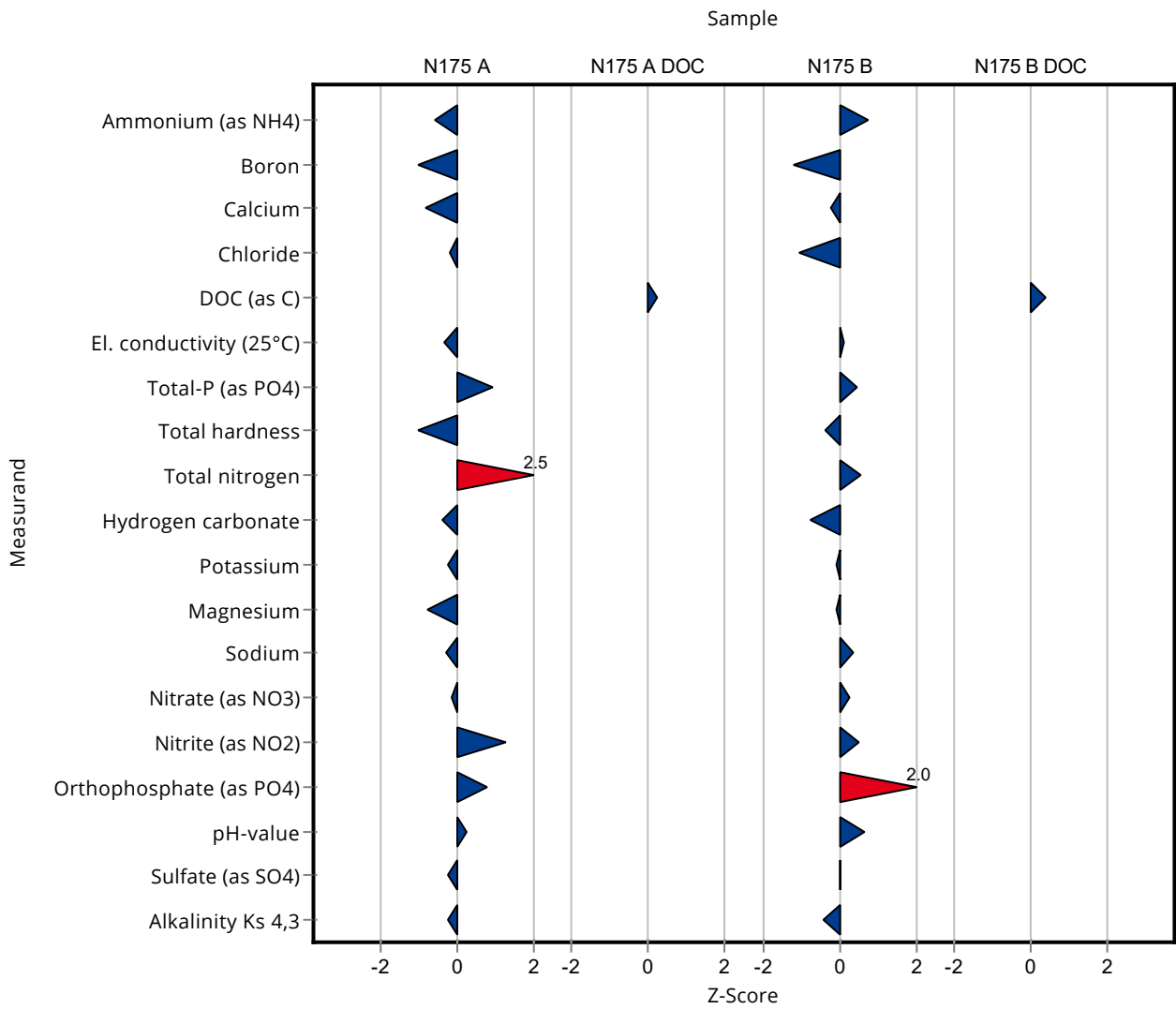
Summary of results Nutrients/Major Ions N175

Labcode: LC0060

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	2.24 ± 0.0173	0.162	103	0.46
Total hardness	mmol/l	2.34 ± 0.0174	2.31 ± 0.12	0.0701	98.8	-0.39
Total nitrogen	mg/l	5.8 ± 0.138	6.08 ± 0.357	0.482	105	0.57
Hydrogen carbonate	mg/l	220 ± 0.967	217 ± 22.3	4.41	98.4	-0.79
Potassium	mg/l	2.58 ± 0.0293	2.57 ± 0.1265	0.134	99.7	-0.07
Magnesium	mg/l	15.6 ± 0.182	15.5 ± 1.87	0.622	99.6	-0.09
Sodium	mg/l	16.4 ± 0.195	16.6 ± 1.31	0.558	101	0.36
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	23.6 ± 0.625	1.16	101	0.27
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.696 ± 0.0042	0.036	103	0.49
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.498 ± 0.0096	0.0629	134	2.03
pH-value	-	7.63 ± 0.0362	7.73 ± 0.1	0.153	101	0.64
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	32.1 ± 5.25	1.06	100	0.03
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.61 ± 0.368	0.0728	99.2	-0.40

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.6 ± 0.1224	0.346	104	0.40



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.03 ± 0.003	0.00643	88.6	-0.60
Boron	mg/l	0.0597 ± 0.00224	0.053 ± 0.00265	0.00657	88.8	-1.17
Calcium	mg/l	165 ± 1.53	161 ± 8.05	5.12	97.5	-0.26
Chloride	mg/l	102 ± 0.706	101 ± 5.05	4.07	99.3	-0.07
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1158 ± 20	15.1	99.5	-0.13
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	0.173 ± 0.0173	0.0121	107	0.33
Total hardness	mmol/l	5.74 ± 0.0381	5.56 ± 0.28	0.172	96.9	-0.31
Total nitrogen	mg/l	2.96 ± 0.0892	3.57 ± 0.357	0.246	120	0.84
Hydrogen carbonate	mg/l	450 ± 1.44	446 ± 22.3	8.99	99.2	-0.08
Potassium	mg/l	2.56 ± 0.0428	2.53 ± 0.1265	0.133	98.7	-0.13
Magnesium	mg/l	38.6 ± 0.337	37.4 ± 1.87	1.55	96.8	-0.33
Sodium	mg/l	26.5 ± 0.22	26.2 ± 1.31	0.899	99	-0.10
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12.5 ± 0.625	0.629	99.3	-0.07
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.042 ± 0.0042	0.00298	110	0.45
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	0.096 ± 0.0096	0.0121	111	0.48
pH-value	-	7.54 ± 0.0389	7.58 ± 0.1	0.151	101	0.19
Sulfate (as SO ₄)	mg/l	106 ± 0.909	105 ± 5.25	3.49	99.2	-0.08
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.36 ± 0.368	0.148	99.6	-0.04

Sample: N175ADOC

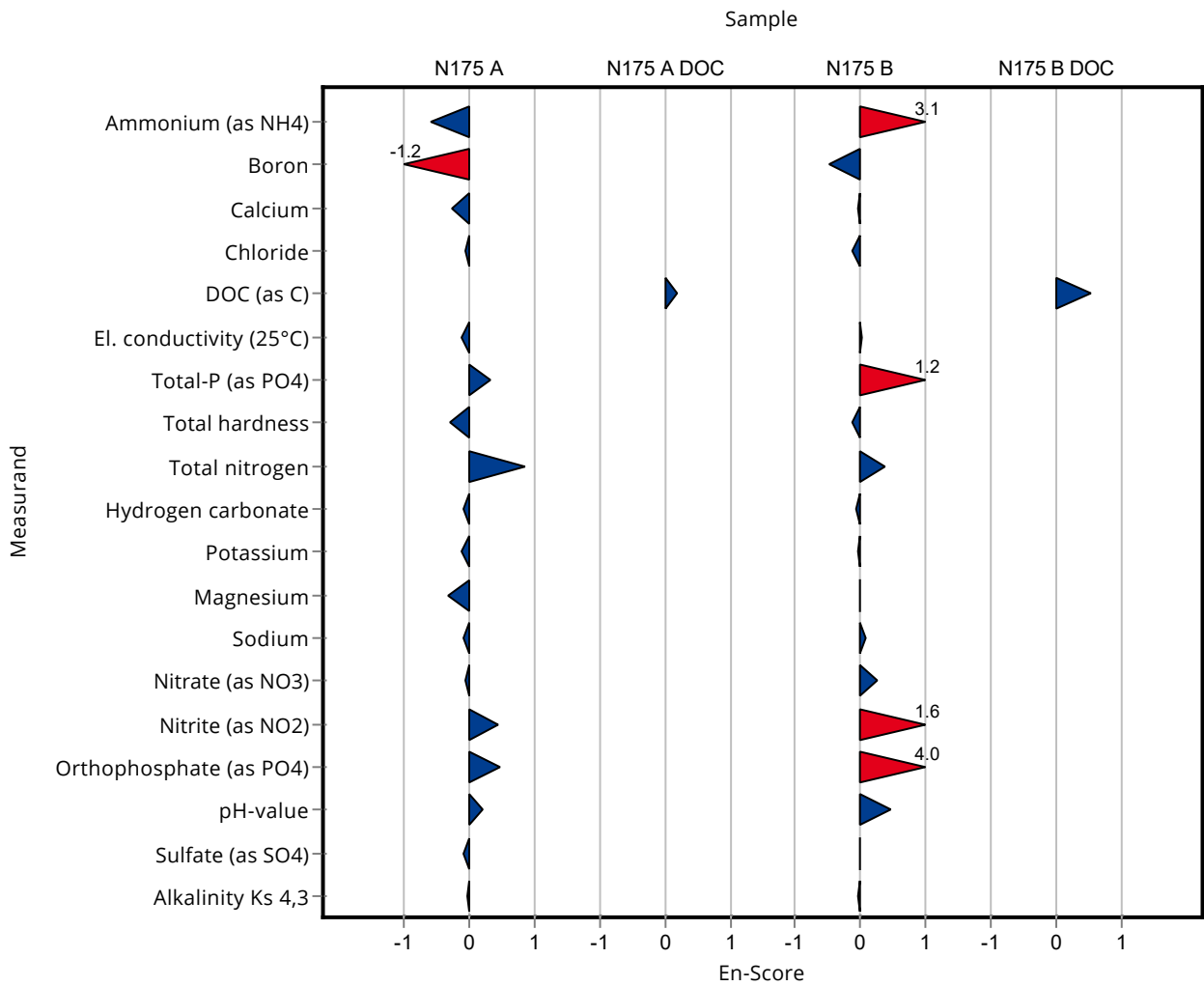
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.53 ± 0.1224	0.193	103	0.19

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.335 ± 0.003	0.0369	109	3.10
Boron	mg/l	0.0176 ± 0.00104	0.015 ± 0.00265	0.00211	85.4	-0.47
Calcium	mg/l	67.4 ± 0.625	66.9 ± 8.05	2.09	99.3	-0.03
Chloride	mg/l	29.3 ± 0.251	28 ± 5.05	1.17	95.7	-0.13
El. conductivity (25°C)	µS/cm	533 ± 1.36	534 ± 19.686	6.93	100	0.02
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	2.24 ± 0.0173	0.162	103	1.19
Total hardness	mmol/l	2.34 ± 0.0174	2.31 ± 0.12	0.0701	98.8	-0.11
Total nitrogen	mg/l	5.8 ± 0.138	6.08 ± 0.357	0.482	105	0.38
Hydrogen carbonate	mg/l	220 ± 0.967	217 ± 22.3	4.41	98.4	-0.08
Potassium	mg/l	2.58 ± 0.0293	2.57 ± 0.1265	0.134	99.7	-0.03
Magnesium	mg/l	15.6 ± 0.182	15.5 ± 1.87	0.622	99.6	-0.01
Sodium	mg/l	16.4 ± 0.195	16.6 ± 1.31	0.558	101	0.08
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	23.6 ± 0.625	1.16	101	0.25
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.696 ± 0.0042	0.036	103	1.63
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.498 ± 0.0096	0.0629	134	4.02
pH-value	-	7.63 ± 0.0362	7.73 ± 0.1	0.153	101	0.48
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	32.1 ± 5.25	1.06	100	0.00
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.61 ± 0.368	0.0728	99.2	-0.04

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.6 ± 0.1224	0.346	104	0.53



Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	<0.098 (LOQ) ± -	0.00643	-	-
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	- ± -	5.12	-	-
Chloride	mg/l	102 ± 0.706	102 ± 6.25	4.07	100	0.07
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1154 ± 28.4	15.1	99.2	-0.62
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	- ± -	0.0121	-	-
Total hardness	mmol/l	5.74 ± 0.0381	- ± -	0.172	-	-
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	- ± -	8.99	-	-
Potassium	mg/l	2.56 ± 0.0428	2.62 ± 1.25	0.133	102	0.42
Magnesium	mg/l	38.6 ± 0.337	- ± -	1.55	-	-
Sodium	mg/l	26.5 ± 0.22	26.1 ± 4.77	0.899	98.7	-0.40
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12.4 ± 0.174	0.629	98.5	-0.30
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	<0.053 (LOQ) ± -	0.00298	-	-
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	<0.095 (LOQ) ± -	0.0121	-	-
pH-value	-	7.54 ± 0.0389	7.6 ± 0.116	0.151	101	0.39
Sulfate (as SO ₄)	mg/l	106 ± 0.909	105 ± 8.96	3.49	99.2	-0.24
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	- ± -	0.148	-	-

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.35 ± 0.121	0.193	91.1	-0.68

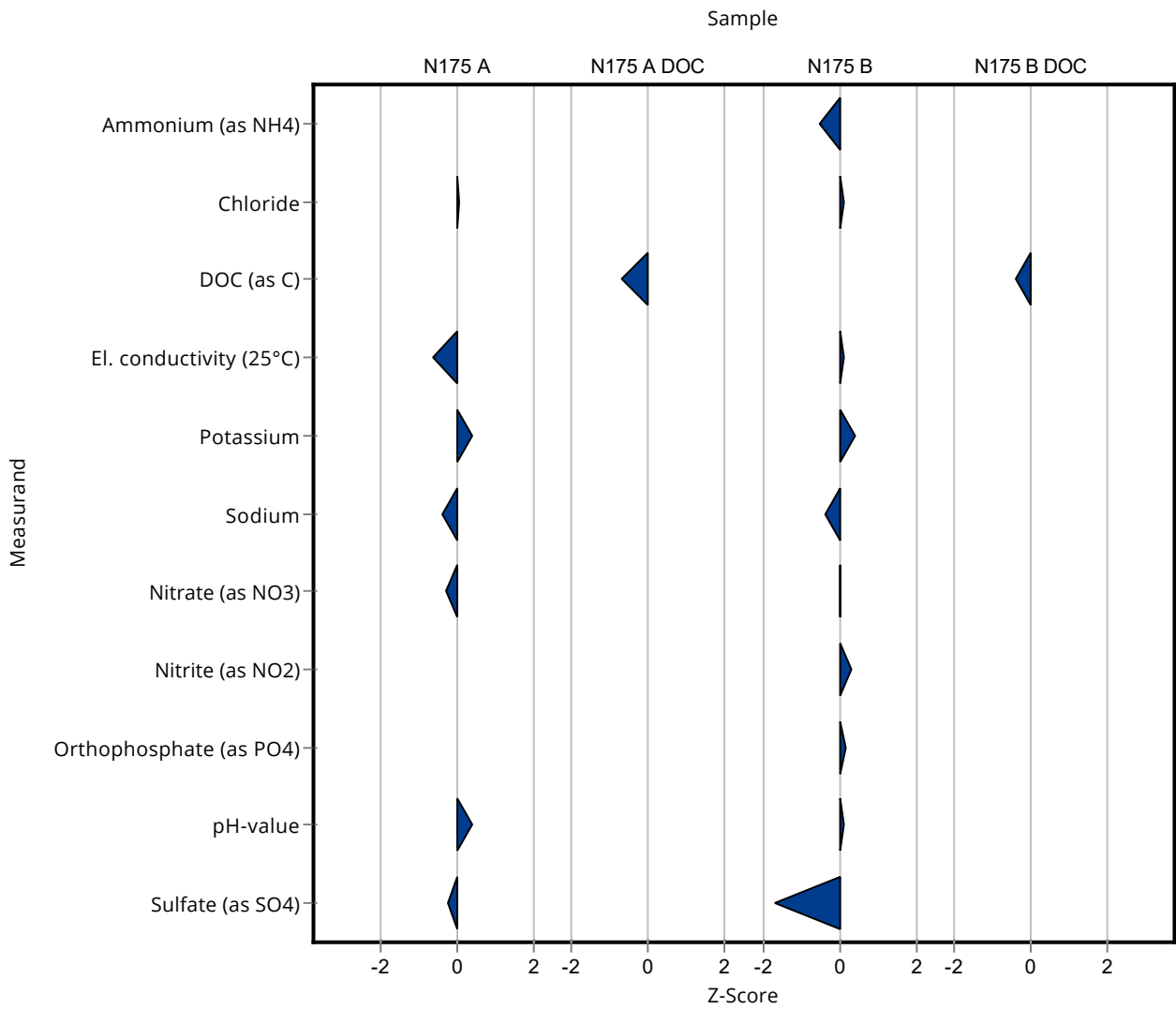
Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.288 ± 0.0121	0.0369	93.7	-0.52
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	- ± -	2.09	-	-
Chloride	mg/l	29.3 ± 0.251	29.4 ± 1.8	1.17	100	0.11
El. conductivity (25°C)	µS/cm	533 ± 1.36	534 ± 13.1	6.93	100	0.11

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	- ± -	0.162	-	-
Total hardness	mmol/l	2.34 ± 0.0174	- ± -	0.0701	-	-
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	- ± -	4.41	-	-
Potassium	mg/l	2.58 ± 0.0293	2.63 ± 1.25	0.134	102	0.38
Magnesium	mg/l	15.6 ± 0.182	- ± -	0.622	-	-
Sodium	mg/l	16.4 ± 0.195	16.2 ± 2.96	0.558	98.8	-0.36
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	23.3 ± 0.326	1.16	100	0.02
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.69 ± 0.0455	0.036	102	0.32
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.38 ± 0.0289	0.0629	103	0.15
pH-value	-	7.63 ± 0.0362	7.65 ± 0.116	0.153	100	0.11
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	30.3 ± 2.59	1.06	94.5	-1.67
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	- ± -	0.0728	-	-

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.32 ± 0.298	0.346	95.9	-0.41



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	<0.098 (LOQ) ± -	0.00643	-	-
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	- ± -	5.12	-	-
Chloride	mg/l	102 ± 0.706	102 ± 6.25	4.07	100	0.02
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1154 ± 28.4	15.1	99.2	-0.16
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	- ± -	0.0121	-	-
Total hardness	mmol/l	5.74 ± 0.0381	- ± -	0.172	-	-
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	- ± -	8.99	-	-
Potassium	mg/l	2.56 ± 0.0428	2.62 ± 1.25	0.133	102	0.02
Magnesium	mg/l	38.6 ± 0.337	- ± -	1.55	-	-
Sodium	mg/l	26.5 ± 0.22	26.1 ± 4.77	0.899	98.7	-0.04
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	12.4 ± 0.174	0.629	98.5	-0.49
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	<0.053 (LOQ) ± -	0.00298	-	-
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	<0.095 (LOQ) ± -	0.0121	-	-
pH-value	-	7.54 ± 0.0389	7.6 ± 0.116	0.151	101	0.25
Sulfate (as SO ₄)	mg/l	106 ± 0.909	105 ± 8.96	3.49	99.2	-0.05
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	- ± -	0.148	-	-

Sample: N175ADOC

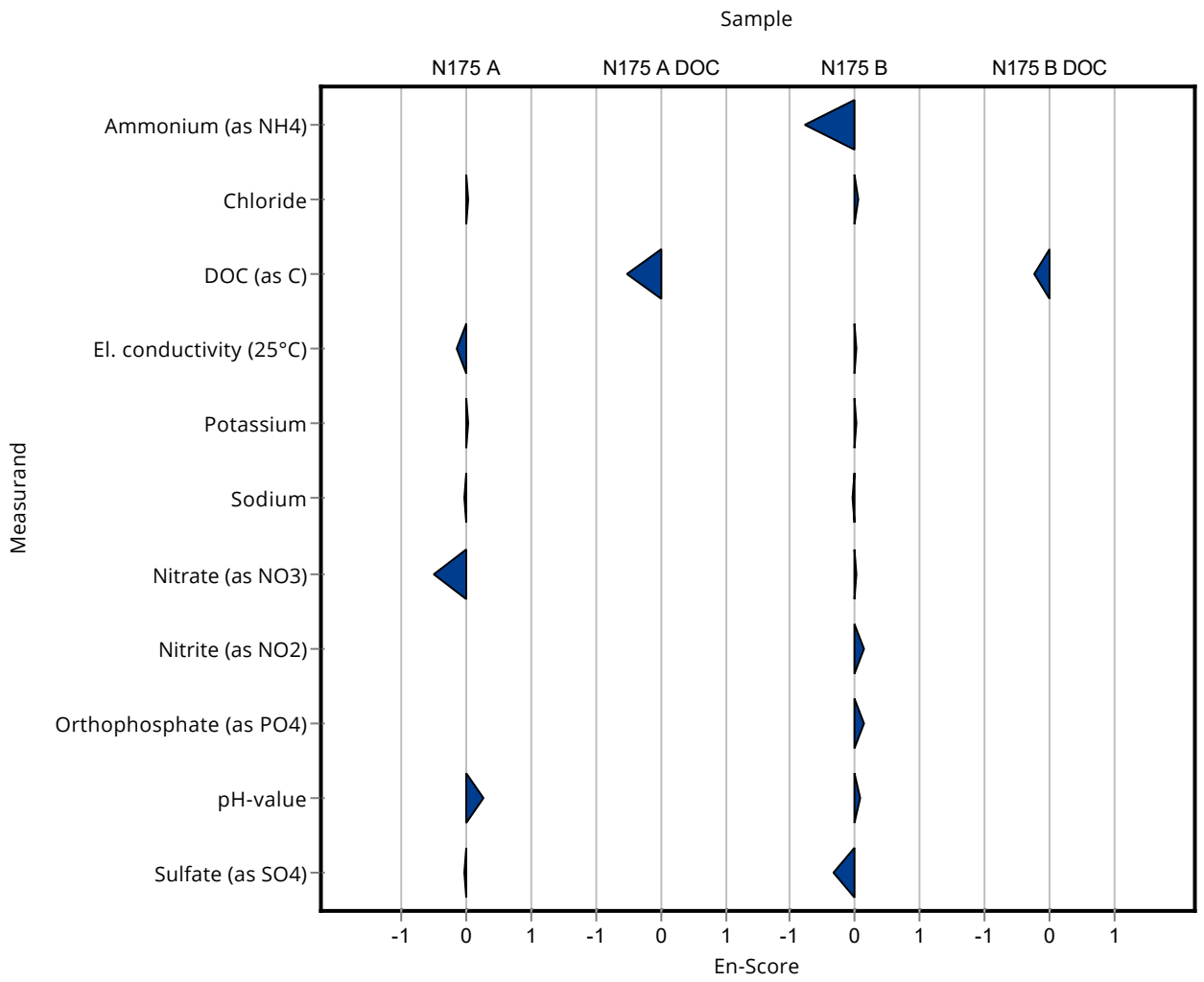
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.35 ± 0.121	0.193	91.1	-0.53

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.288 ± 0.0121	0.0369	93.7	-0.77
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	- ± -	2.09	-	-
Chloride	mg/l	29.3 ± 0.251	29.4 ± 1.8	1.17	100	0.04
El. conductivity (25°C)	µS/cm	533 ± 1.36	534 ± 13.1	6.93	100	0.03
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	- ± -	0.162	-	-
Total hardness	mmol/l	2.34 ± 0.0174	- ± -	0.0701	-	-
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	- ± -	4.41	-	-
Potassium	mg/l	2.58 ± 0.0293	2.63 ± 1.25	0.134	102	0.02
Magnesium	mg/l	15.6 ± 0.182	- ± -	0.622	-	-
Sodium	mg/l	16.4 ± 0.195	16.2 ± 2.96	0.558	98.8	-0.03
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	23.3 ± 0.326	1.16	100	0.03
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.69 ± 0.0455	0.036	102	0.13
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	0.38 ± 0.0289	0.0629	103	0.15
pH-value	-	7.63 ± 0.0362	7.65 ± 0.116	0.153	100	0.07
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	30.3 ± 2.59	1.06	94.5	-0.34
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	- ± -	0.0728	-	-

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.32 ± 0.298	0.346	95.9	-0.24



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.03 ± 0.006	0.00643	88.6	-0.60
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	165.3 ± 16.5	5.12	100	0.02
Chloride	mg/l	102 ± 0.706	113.7 ± 11.3	4.07	112	2.95
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1140 ± 15	15.1	98	-1.54
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	- ± -	0.0121	-	-
Total hardness	mmol/l	5.74 ± 0.0381	5.33 ± 0.5	0.172	92.9	-2.36
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	- ± -	8.99	-	-
Potassium	mg/l	2.56 ± 0.0428	2.57 ± 0.3	0.133	100	0.04
Magnesium	mg/l	38.6 ± 0.337	39.3 ± 4	1.55	102	0.44
Sodium	mg/l	26.5 ± 0.22	26.5 ± 3	0.899	100	0.05
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	11.7 ± 1	0.629	93	-1.41
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.03 ± 0.006	0.00298	78.6	-2.75
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	- ± -	0.0121	-	-
pH-value	-	7.54 ± 0.0389	7.35 ± 0.2	0.151	97.5	-1.27
Sulfate (as SO ₄)	mg/l	106 ± 0.909	119.5 ± 12	3.49	113	3.91
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	- ± -	0.148	-	-

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.11 ± 0.2	0.193	74.9	-1.93

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.285 ± 0.06	0.0369	92.8	-0.60
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	67.1 ± 7	2.09	99.6	-0.14
Chloride	mg/l	29.3 ± 0.251	29.4 ± 3	1.17	100	0.11
El. conductivity (25°C)	µS/cm	533 ± 1.36	529 ± 15	6.93	99.2	-0.61

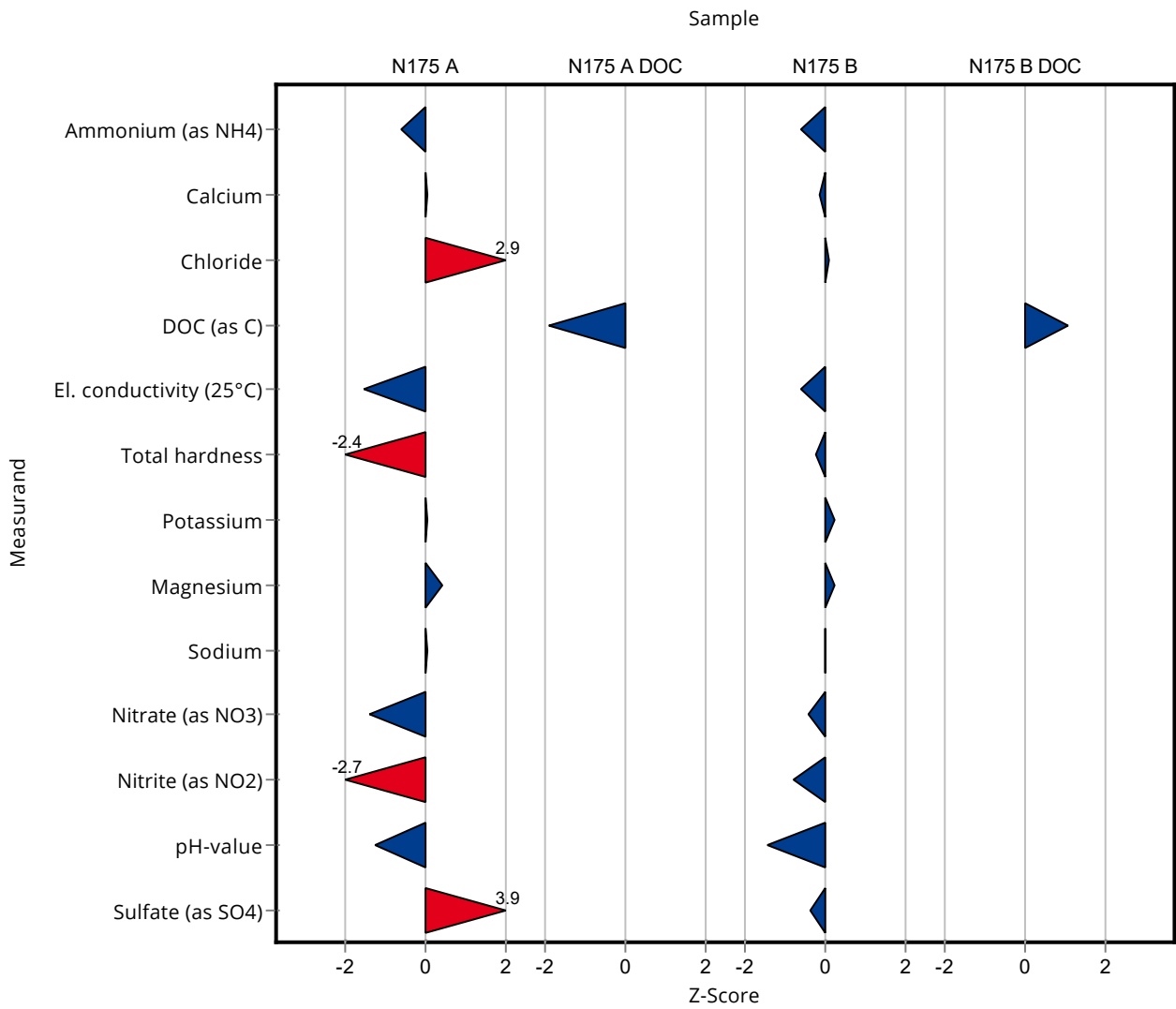
Summary of results Nutrients/Major Ions N175

Labcode: LC0062

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	- ± -	0.162	-	-
Total hardness	mmol/l	2.34 ± 0.0174	2.32 ± 0.2	0.0701	99.3	-0.25
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	- ± -	4.41	-	-
Potassium	mg/l	2.58 ± 0.0293	2.61 ± 0.3	0.134	101	0.23
Magnesium	mg/l	15.6 ± 0.182	15.7 ± 2	0.622	101	0.23
Sodium	mg/l	16.4 ± 0.195	16.4 ± 2	0.558	100	0.00
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	22.8 ± 2	1.16	97.9	-0.41
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.65 ± 0.14	0.036	95.8	-0.79
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	- ± -	0.0629	-	-
pH-value	-	7.63 ± 0.0362	7.41 ± 0.2	0.153	97.1	-1.46
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	31.7 ± 3	1.06	98.8	-0.35
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	- ± -	0.0728	-	-

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.84 ± 0.6	0.346	111	1.09



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.03 ± 0.006	0.00643	88.6	-0.32
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	165.3 ± 16.5	5.12	100	0.00
Chloride	mg/l	102 ± 0.706	113.7 ± 11.3	4.07	112	0.53
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1140 ± 15	15.1	98	-0.77
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	- ± -	0.0121	-	-
Total hardness	mmol/l	5.74 ± 0.0381	5.33 ± 0.5	0.172	92.9	-0.41
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	- ± -	8.99	-	-
Potassium	mg/l	2.56 ± 0.0428	2.57 ± 0.3	0.133	100	0.01
Magnesium	mg/l	38.6 ± 0.337	39.3 ± 4	1.55	102	0.08
Sodium	mg/l	26.5 ± 0.22	26.5 ± 3	0.899	100	0.01
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	11.7 ± 1	0.629	93	-0.44
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.03 ± 0.006	0.00298	78.6	-0.68
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	- ± -	0.0121	-	-
pH-value	-	7.54 ± 0.0389	7.35 ± 0.2	0.151	97.5	-0.48
Sulfate (as SO ₄)	mg/l	106 ± 0.909	119.5 ± 12	3.49	113	0.57
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	- ± -	0.148	-	-

Sample: N175ADOC

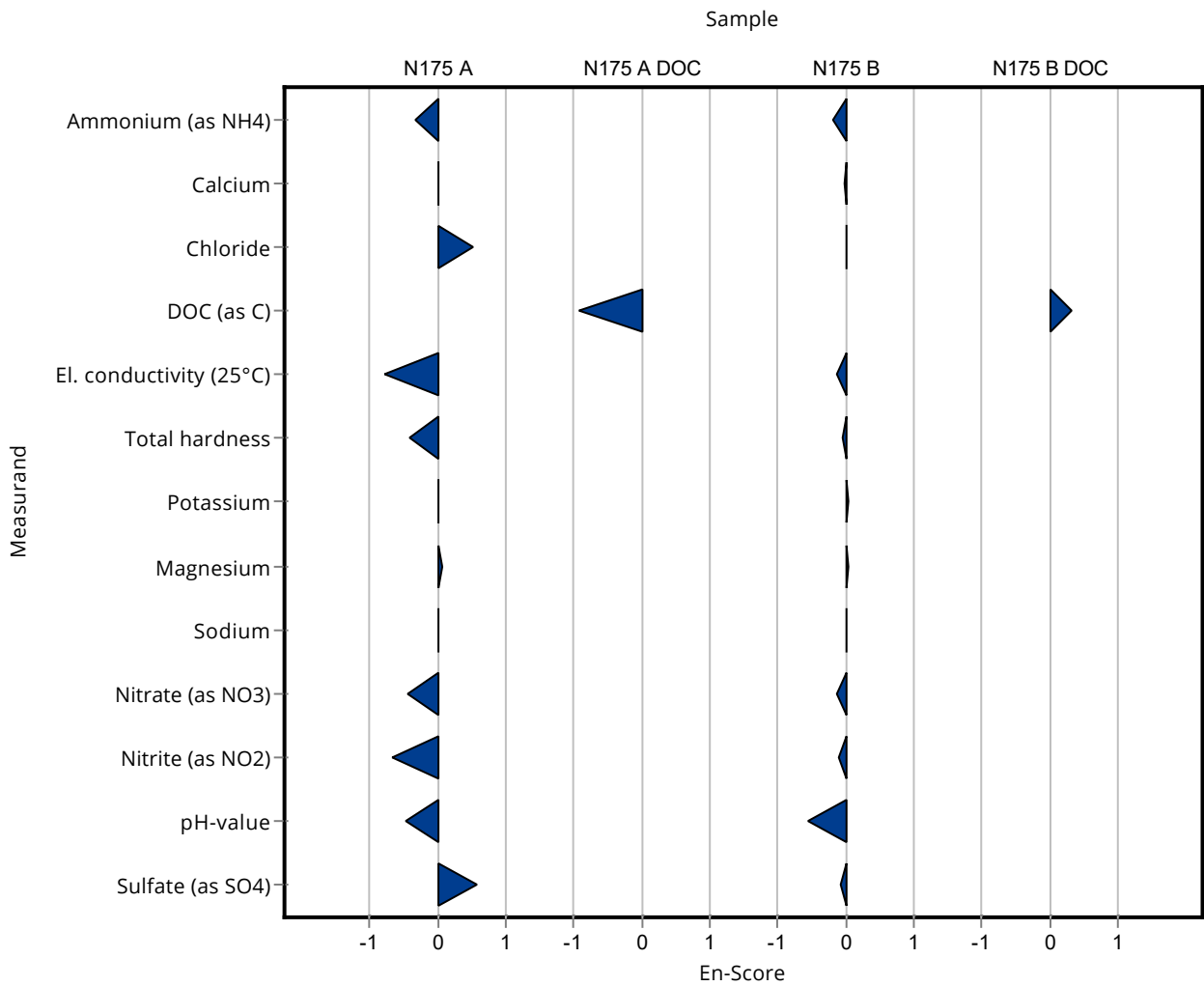
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	1.11 ± 0.2	0.193	74.9	-0.92

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.285 ± 0.06	0.0369	92.8	-0.18
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	67.1 ± 7	2.09	99.6	-0.02
Chloride	mg/l	29.3 ± 0.251	29.4 ± 3	1.17	100	0.02
El. conductivity (25°C)	µS/cm	533 ± 1.36	529 ± 15	6.93	99.2	-0.14
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	- ± -	0.162	-	-
Total hardness	mmol/l	2.34 ± 0.0174	2.32 ± 0.2	0.0701	99.3	-0.04
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	- ± -	4.41	-	-
Potassium	mg/l	2.58 ± 0.0293	2.61 ± 0.3	0.134	101	0.05
Magnesium	mg/l	15.6 ± 0.182	15.7 ± 2	0.622	101	0.04
Sodium	mg/l	16.4 ± 0.195	16.4 ± 2	0.558	100	0.00
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	22.8 ± 2	1.16	97.9	-0.12
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.65 ± 0.14	0.036	95.8	-0.10
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	- ± -	0.0629	-	-
pH-value	-	7.63 ± 0.0362	7.41 ± 0.2	0.153	97.1	-0.55
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	31.7 ± 3	1.06	98.8	-0.06
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	- ± -	0.0728	-	-

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	3.84 ± 0.6	0.346	111	0.31



Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.034 ± 0.002	0.00643	100	0.02
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	179 ± 7	5.12	108	2.70
Chloride	mg/l	102 ± 0.706	104 ± 5	4.07	102	0.56
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1165 ± 58	15.1	100	0.11
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	- ± -	0.0121	-	-
Total hardness	mmol/l	5.74 ± 0.0381	5.73 ± 0.28	0.172	99.9	-0.04
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	453 ± 22	8.99	101	0.38
Potassium	mg/l	2.56 ± 0.0428	2.65 ± 0.2	0.133	103	0.64
Magnesium	mg/l	38.6 ± 0.337	38.5 ± 2.5	1.55	99.7	-0.08
Sodium	mg/l	26.5 ± 0.22	28.4 ± 1.6	0.899	107	2.16
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	13.2 ± 0.6	0.629	105	0.97
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.042 ± 0.002	0.00298	110	1.28
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	<0.29 (LOQ) ± -	0.0121	-	-
pH-value	-	7.54 ± 0.0389	7.45 ± 0.1	0.151	98.8	-0.61
Sulfate (as SO ₄)	mg/l	106 ± 0.909	110 ± 5	3.49	104	1.19
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.42 ± 0.37	0.148	100	0.19

Sample: N175ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	1.48 ± 0.0592	- ± -	0.193	-	-

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.305 ± 0.02	0.0369	99.3	-0.06
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	75.4 ± 2.9	2.09	112	3.83
Chloride	mg/l	29.3 ± 0.251	28.7 ± 1.4	1.17	98.1	-0.48
El. conductivity (25°C)	µS/cm	533 ± 1.36	529 ± 26	6.93	99.2	-0.61

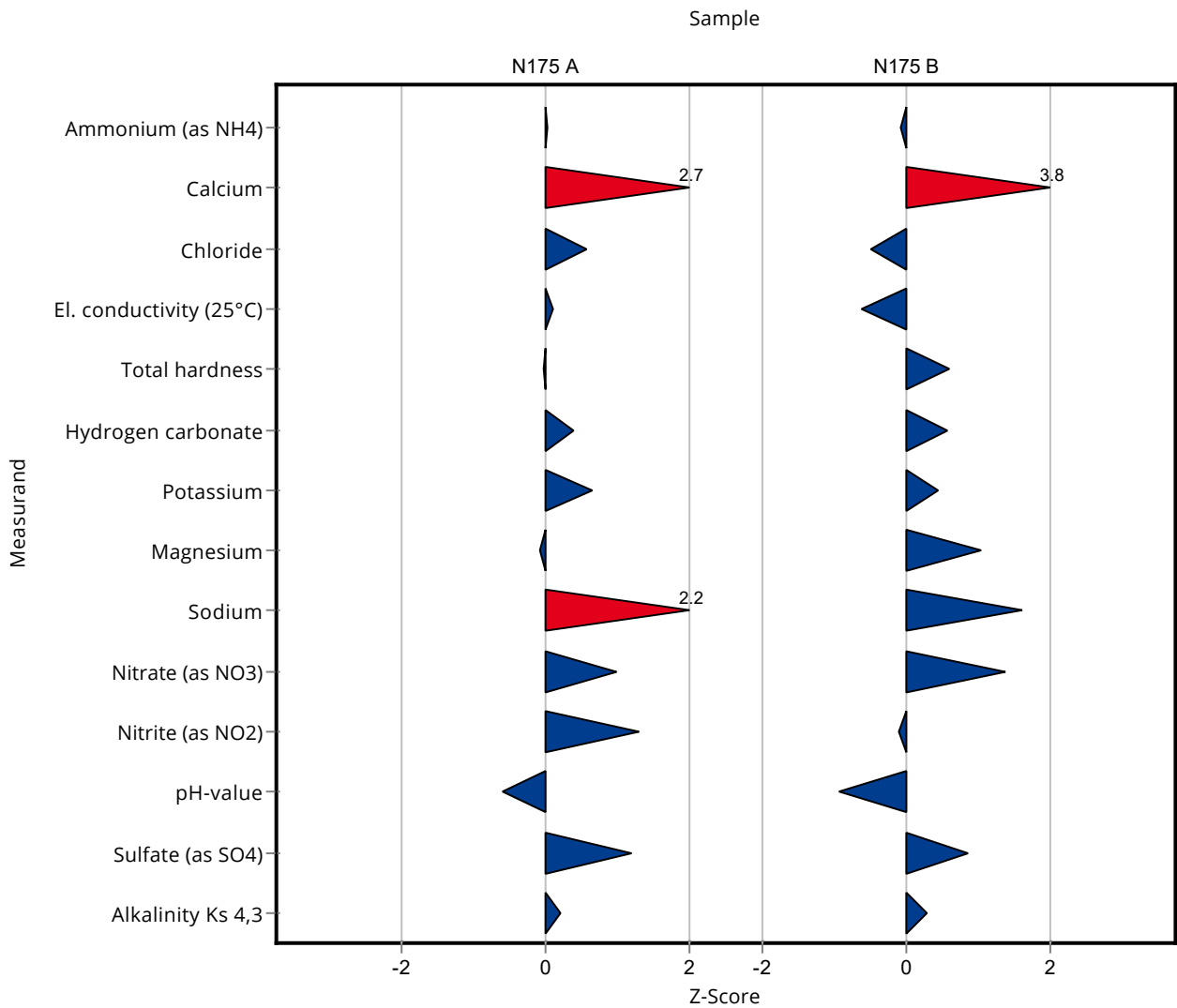
Summary of results Nutrients/Major Ions N175

Labcode: LC0063

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	- ± -	0.162	-	-
Total hardness	mmol/l	2.34 ± 0.0174	2.38 ± 0.11	0.0701	102	0.61
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	223 ± 11	4.41	101	0.57
Potassium	mg/l	2.58 ± 0.0293	2.64 ± 0.2	0.134	102	0.46
Magnesium	mg/l	15.6 ± 0.182	16.2 ± 1	0.622	104	1.03
Sodium	mg/l	16.4 ± 0.195	17.3 ± 0.9	0.558	105	1.61
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	24.9 ± 1.2	1.16	107	1.39
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.675 ± 0.03	0.036	99.5	-0.09
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	<0.29 (LOQ) ± -	0.0629	-	-
pH-value	-	7.63 ± 0.0362	7.49 ± 0.1	0.153	98.1	-0.93
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	33 ± 1.6	1.06	103	0.88
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.66 ± 0.18	0.0728	101	0.29

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
DOC (as C)	mg/l	3.46 ± 0.0842	- ± -	0.346	-	-



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Sample: N175A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0339 ± 0.00218	0.034 ± 0.002	0.00643	100	0.03
Boron	mg/l	0.0597 ± 0.00224	- ± -	0.00657	-	-
Calcium	mg/l	165 ± 1.53	179 ± 7	5.12	108	0.98
Chloride	mg/l	102 ± 0.706	104 ± 5	4.07	102	0.23
El. conductivity (25°C)	µS/cm	1160 ± 3.02	1165 ± 58	15.1	100	0.01
Total-P (as PO ₄)	mg/l	0.161 ± 0.00348	- ± -	0.0121	-	-
Total hardness	mmol/l	5.74 ± 0.0381	5.73 ± 0.28	0.172	99.9	-0.01
Total nitrogen	mg/l	2.96 ± 0.0892	- ± -	0.246	-	-
Hydrogen carbonate	mg/l	450 ± 1.44	453 ± 22	8.99	101	0.08
Potassium	mg/l	2.56 ± 0.0428	2.65 ± 0.2	0.133	103	0.21
Magnesium	mg/l	38.6 ± 0.337	38.5 ± 2.5	1.55	99.7	-0.03
Sodium	mg/l	26.5 ± 0.22	28.4 ± 1.6	0.899	107	0.61
Nitrate (as NO ₃)	mg/l	12.6 ± 0.15	13.2 ± 0.6	0.629	105	0.51
Nitrite (as NO ₂)	mg/l	0.0382 ± 0.001	0.042 ± 0.002	0.00298	110	0.93
Orthophosphate (as PO ₄)	mg/l	0.0866 ± 0.00442	<0.29 (LOQ) ± -	0.0121	-	-
pH-value	-	7.54 ± 0.0389	7.45 ± 0.1	0.151	98.8	-0.45
Sulfate (as SO ₄)	mg/l	106 ± 0.909	110 ± 5	3.49	104	0.41
Alkalinity Ks 4,3	mmol/l	7.39 ± 0.0212	7.42 ± 0.37	0.148	100	0.04

Sample: N175ADOC

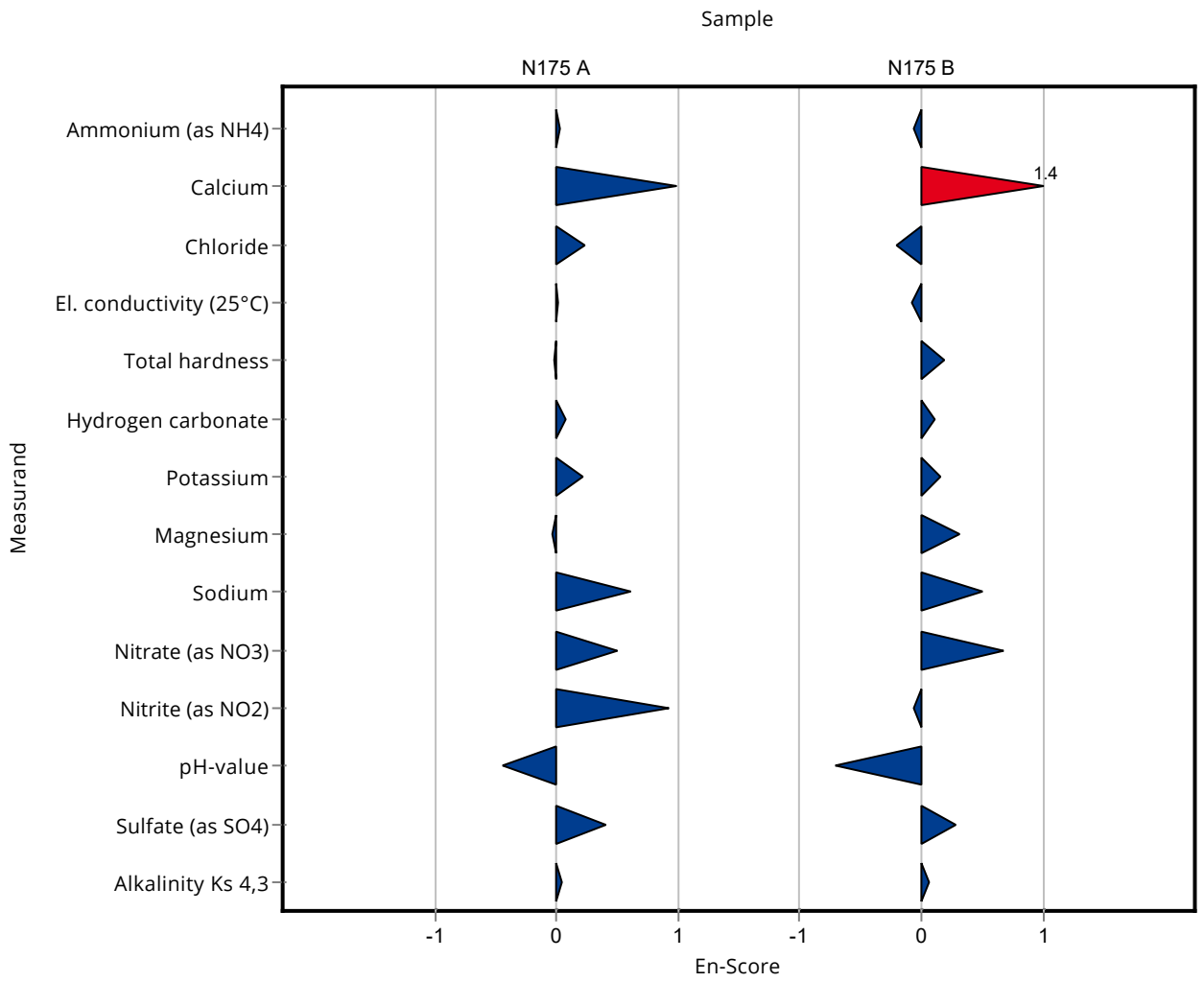
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	1.48 ± 0.0592	- ± -	0.193	-	-

Sample: N175B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.307 ± 0.00667	0.305 ± 0.02	0.0369	99.3	-0.06
Boron	mg/l	0.0176 ± 0.00104	- ± -	0.00211	-	-
Calcium	mg/l	67.4 ± 0.625	75.4 ± 2.9	2.09	112	1.37
Chloride	mg/l	29.3 ± 0.251	28.7 ± 1.4	1.17	98.1	-0.20
El. conductivity (25°C)	µS/cm	533 ± 1.36	529 ± 26	6.93	99.2	-0.08
Total-P (as PO ₄)	mg/l	2.17 ± 0.0523	- ± -	0.162	-	-
Total hardness	mmol/l	2.34 ± 0.0174	2.38 ± 0.11	0.0701	102	0.19
Total nitrogen	mg/l	5.8 ± 0.138	- ± -	0.482	-	-
Hydrogen carbonate	mg/l	220 ± 0.967	223 ± 11	4.41	101	0.11
Potassium	mg/l	2.58 ± 0.0293	2.64 ± 0.2	0.134	102	0.15
Magnesium	mg/l	15.6 ± 0.182	16.2 ± 1	0.622	104	0.32
Sodium	mg/l	16.4 ± 0.195	17.3 ± 0.9	0.558	105	0.50
Nitrate (as NO ₃)	mg/l	23.3 ± 0.218	24.9 ± 1.2	1.16	107	0.67
Nitrite (as NO ₂)	mg/l	0.678 ± 0.00681	0.675 ± 0.03	0.036	99.5	-0.06
Orthophosphate (as PO ₄)	mg/l	0.37 ± 0.0253	<0.29 (LOQ) ± -	0.0629	-	-
pH-value	-	7.63 ± 0.0362	7.49 ± 0.1	0.153	98.1	-0.70
Sulfate (as SO ₄)	mg/l	32.1 ± 0.266	33 ± 1.6	1.06	103	0.29
Alkalinity Ks 4,3	mmol/l	3.64 ± 0.0136	3.66 ± 0.18	0.0728	101	0.06

Sample: N175BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
DOC (as C)	mg/l	3.46 ± 0.0842	- ± -	0.346	-	-



E9. Methodenübersicht / Overview of methods

LabCode	Sample	Alkalinity Ks 4,3	Boron	Calcium	Chloride	Total-P (as PO4)
LC0001	N175A	EN ISO 9963-1;	EN ISO 17294-2;	EN ISO 17294-2;	EN ISO 10304-1;	EN ISO 6878;
LC0002	N175A	DIN 38409-7; H7		EN ISO 14911;	EN ISO 10304-1;	
LC0003	N175A	DIN 38409-7; H7-2	EN ISO 17294-2;	EN ISO 17294-2;	EN ISO 10304-1;	EN ISO 15681-2;
LC0004	N175A	titrimetry;			titrimetry;	spectrometric; UV-VIS
LC0005	N175A					
LC0006	N175A	EN ISO 9963-1;		EN ISO 14911;	EN ISO 10304-1;	EN ISO 6878;
LC0007	N175A					
LC0008	N175A	DIN 38409-7; H7				
LC0009	N175A	DIN 38409-7;	EN ISO 11885;	EN ISO 11885;	EN ISO 10304-1;	EN ISO 6878;
LC0010	N175A	DIN 38409-7; titration		EN ISO 14911; IC	EN ISO 10304-1; IC	EN ISO 6878; photometry
LC0011	N175A	DIN 38409-7;	EN ISO 11885;	EN ISO 11885;	EN ISO 10304-1;	EN ISO 15681;
LC0012	N175A		EN ISO 17294-2; ICP-MS	EN ISO 17294-2; ICP-MS		EN ISO 17294-2; ICP-MS
LC0013	N175A					
LC0014	N175A	DIN 38409-6; titrimetry	EN ISO 11885; ICP-OES	EN ISO 14911; IC	EN ISO 10304-1; IC	EN ISO 6878; UV/VIS
LC0015	N175A	DIN 38409-7;	EN ISO 11885;	EN ISO 11885;	EN ISO 10304-1;	EN ISO 6878;
LC0016	N175A	DIN 38409-7; H7; titration	EN ISO 11885; E22; ICP-OES	EN ISO 7980; E3a; AAS	EN ISO 10304-1; D20; IC	EN ISO 11885; E22; ICP
LC0017	N175A	EN ISO 9963-1;	EN ISO 17294-2;		EN ISO 10304-1;	EN ISO 6878;
LC0018	N175A					
LC0019	N175A				EN ISO 10304-1;	
LC0020	N175A	DIN 38409-7;	EN ISO 11885;	EN ISO 14911;	EN ISO 10304-1;	EN ISO 15681-2;
LC0021	N175A	titrimetry;		ICP-OES;	spectrometric; EPA 325.1	
LC0022	N175A	titrimetry;		IC;	IC;	photometry;
LC0023	N175A	EN ISO 9963-1; titrimetry; modified		EN ISO 14911; IC; modified	EN ISO 14911; IC; modified	
LC0024	N175A	DIN 38409-7; titration	EN ISO 17294-2; ICP-MS	EN ISO 17294-2; ICP-MS	EN ISO 10304-1; IC	EN ISO 6878; UV
LC0025	N175A	DIN 38409-7;	EN ISO 17294-2;	EN ISO 17294-2;	EN ISO 10304-1;	EN ISO 15681-2;
LC0026	N175A		EN ISO 17294-2;	EN ISO 17294-2;		
LC0027	N175A	DIN 38409-7;			EN ISO 10304-1;	
LC0028	N175A	EN ISO 9963-1;		EN ISO 14911;	EN ISO 10304-1;	EN ISO 6878;
LC0029	N175A	DIN 38409-7;		EN ISO 14911;	EN ISO 10304-1;	EN ISO 6878;
LC0030	N175A	DIN 38409-7; volumetry			EN ISO 10304-1; IC	
LC0031	N175A	DIN 38409-7;				
LC0032	N175A	DIN 38409-7; H7				
LC0033	N175A	titrimetry;		IC;	IC;	
LC0034	N175A				EN ISO 10304-1; D20; IC	EN ISO 15681-1; D45; oxisolv-digestion; FIA

LabCode	Sample	Alkalinity Ks 4,3	Boron	Calcium	Chloride	Total-P (as PO4)
LC0035	N175A					
LC0036	N175A		EN ISO 17294-2; ICP-MS	EN ISO 17294-2; ICP-MS	EN ISO 10304-1;	EN ISO 6878;
LC0037	N175A	titrimetry;		IC;	IC;	CFA; continous flow analyzer
LC0038	N175A	DIN 38409-7;	EN ISO 17294-2;	EN ISO 17294-2;	EN ISO 10304-1;	
LC0039	N175A	DIN 38409-7; H7	EN ISO 11885; E22	EN ISO 11885; E22	EN ISO 10304-1; D20	EN ISO 11885; E22; calculated
LC0040	N175A	DIN 38409-7;			EN ISO 10304-1;	EN ISO 6878;
LC0041	N175A	DIN 38409-7; H7; titration		EN ISO 17294-2; E29; ICP-MS		
LC0042	N175A	DIN 38409-7; H7	EN ISO 11885; E22	EN ISO 11885; E22	EN ISO 10304-1; D20	EN ISO 6878; D11
LC0043	N175A	DIN 38409-7;				
LC0044	N175A	DIN 38409-7; H7				EN ISO 6878; D11
LC0045	N175A	DIN 38409-7; H7	EN ISO 17294-2;	EN ISO 17294-2;	photometry; chloride test	EN ISO 17294-2;
LC0046	N175A	DIN 38409-7; H7-2				
LC0047	N175A	DIN 38409-7; H7	EN ISO 11885;	EN ISO 11885;	DIN 38406-5; D5	EN ISO 11885;
LC0048	N175A	DIN 38409-7;				
LC0049	N175A	DIN 38409-7;			EN ISO 10304-1;	
LC0050	N175A	DIN 38409-7; H7-1-2				
LC0051	N175A	DIN 38409-7;	EN ISO 11885;	EN ISO 11885;	EN ISO 10304-1;	EN ISO 6878;
LC0052	N175A	EN ISO 9963-1; titrimetry	DIN 38405; photometry	EN ISO 14911; IC	EN ISO 10304-1; IC	EN ISO 6878; photometry
LC0053	N175A	DIN 38409-7;	EN ISO 11885;	EN ISO 11885;	EN ISO 10304-1;	EN ISO 6878;
LC0054	N175A	DIN 38409-7;	EN ISO 17294-2;	EN ISO 14911;	EN ISO 10304-1;	EN ISO 6878;
LC0055	N175A					
LC0056	N175A	DIN 38409-7;	EN ISO 11885;	EN ISO 11885;	EN ISO 10304-1;	EN ISO 11885;
LC0057	N175A	titration;		IC;	IC;	photometry;
LC0058	N175A	DIN 38409-7; H7; titration		EN ISO 14911; IC	EN ISO 10304-1; IC	EN ISO 6878; photometry
LC0059	N175A	DIN 38409-7; H7; titration				EN ISO 6878;
LC0060	N175A	DIN 38409-7;	EN ISO 11885;	EN ISO 11885;	EN ISO 10304;	ISO 15923-1;
LC0061	N175A				EN ISO 15682;	
LC0062	N175A			IC; house method	IC; house method	
LC0063	N175A	DIN 38409-7; titrimetry		EN ISO 17294-2; E29; ICP-MS	spectrometric; UV-VIS	

LabCode	Sample	Total hardness	Hydrogen carbonate	Potassium	El. conductivity (25°C)	Magnesium
LC0001	N175A	calculated;	calculated;	EN ISO 17294-2;	EN 27888;	EN ISO 17294-2;
LC0002	N175A	DIN 38409-6; H6	DIN 38405-8; D8	EN ISO 14911;	EN 27888;	EN ISO 14911;
LC0003	N175A	DIN 38409-6;	DIN 38409-7; H7-2	EN ISO 17294-2;	EN 27888;	EN ISO 17294-2;
LC0004	N175A		titrimetry;		conductometry;	
LC0005	N175A				EN 27888;	
LC0006	N175A	DIN 38406-6;	EN ISO 9963-1;	EN ISO 14911;	EN 27888;	EN ISO 14911;
LC0007	N175A				EN 27888;	
LC0008	N175A				EN 27888; C8	
LC0009	N175A	DIN 38409-6; H6	DIN 38409-7; part 7	EN ISO 11885;	EN 27888;	EN ISO 11885;
LC0010	N175A	calculated;	calculated;	EN ISO 14911; IC	EN 27888;	EN ISO 14911; IC
LC0011	N175A	DIN 38409-6;		EN ISO 11885;	EN 27888;	EN ISO 11885;
LC0012	N175A	EN ISO 17294-2; ICP-MS				EN ISO 17294-2; ICP-MS
LC0013	N175A				EN 27888;	
LC0014	N175A	DIN 38409-6; titrimetry	DIN 38409-6; titrimetry	EN ISO 14911; IC	EN 27888; conductometry	EN ISO 14911; IC
LC0015	N175A	calculated; (Ca, Mg)	DIN 38409-7;	EN ISO 11885;	EN 27888;	EN ISO 11885;
LC0016	N175A	EN ISO 7980; E3a; AAS	DIN 38409-7; H7	DIN 38406-13; E13; AAS	EN 27888;	EN ISO 7980; E3a; AAS
LC0017	N175A		EN ISO 9963-1;		EN 27888;	
LC0018	N175A					
LC0019	N175A					
LC0020	N175A	EN ISO 14911;	DIN 38409-7;	EN ISO 14911;	EN 27888;	EN ISO 14911;
LC0021	N175A	calculated;		ICP-OES;	EN 27888; conductometry	ICP-OES;
LC0022	N175A			IC;	conductometry;	IC;
LC0023	N175A	EN ISO 14911; IC; modified	EN ISO 9963-1; titrimetry	EN ISO 14911; IC; modified	EN 27888; conductometry (ISO 7888)	EN ISO 14911; IC; modified
LC0024	N175A	DIN 38409-6; calculated	calculated; (Ks 4,3)	EN ISO 17294-2; ICP-MS	EN 27888;	EN ISO 17294-2; ICP-MS
LC0025	N175A	DIN 38409-6;	DIN 38409-7;	EN ISO 17294-2;	ÖN M 6616;	EN ISO 17294-2;
LC0026	N175A			EN ISO 17294-2;		EN ISO 17294-2;
LC0027	N175A		DIN 38409-7;		EN 27888;	
LC0028	N175A	DIN 38409;	EN ISO 9963-1;	DIN 38406-13;	EN 27888;	EN ISO 14911;
LC0029	N175A	calculated; (Ca, Mg)	calculated;	EN ISO 14911;	EN 27888;	EN ISO 14911;
LC0030	N175A		DIN 38409-7; volumetry		EN 27888; electrochemical	
LC0031	N175A		calculated;		EN 27888;	
LC0032	N175A				EN 27888; C8	
LC0033	N175A	IC;	titrimetry;	IC;	conductometry;	IC;
LC0034	N175A				DIN 38404-8; C8; conductometry	
LC0035	N175A	DIN 38409-6; titration	DIN 38409-6; titration			

LabCode	Sample	Total hardness	Hydrogen carbonate	Potassium	El. conductivity (25°C)	Magnesium
LC0036	N175A	calculated;		EN ISO 11885; ICP-OES	EN 27888;	EN ISO 17294-2; ICP-MS
LC0037	N175A	titrimetry;	titrimetry;	IC;	EN 27888;	IC;
LC0038	N175A	DIN 38409-6;	DIN 38409-7;	EN ISO 17294-2;	EN 27888;	EN ISO 17294-2;
LC0039	N175A	calculated;	DIN 38409-7; H7	EN ISO 11885; E22	EN 27888; C8	EN ISO 11885; E22
LC0040	N175A				EN 27888;	
LC0041	N175A	DIN 38409-6; H6	calculated;			EN ISO 17294-2; E29; ICP-MS
LC0042	N175A	calculated;	DIN 38409-7; H7	EN ISO 11885; E22	EN 27888; C8	EN ISO 11885; E22
LC0043	N175A				EN 27888;	
LC0044	N175A				EN 27888; C8	
LC0045	N175A			EN ISO 17294-2;	EN 27888; C8	EN ISO 17294-2;
LC0046	N175A					
LC0047	N175A	DIN 38409-6; H6	DIN 38409-7; H7	EN ISO 11885;	EN 27888; C8	EN ISO 11885;
LC0048	N175A					
LC0049	N175A				EN 27888;	
LC0050	N175A		DIN 38405-8;		EN 27888; C8	
LC0051	N175A	EN ISO 11885;	DIN 38409-7; D8	EN ISO 11885;	EN 27888;	EN ISO 11885;
LC0052	N175A	EN ISO 14911; calculated	EN ISO 9963-1; calculated	EN ISO 14911; IC	EN 27888; conductometry	EN ISO 14911; IC
LC0053	N175A		DIN 38409-7;	EN ISO 11885;	EN 27888;	EN ISO 11885;
LC0054	N175A	DIN 38409-6;	DIN 38409-7;	EN ISO 14911;	EN 27888;	EN ISO 14911;
LC0055	N175A					
LC0056	N175A	DIN 38406-3;	calculated;	EN ISO 11885;	EN 27888;	EN ISO 11885;
LC0057	N175A	IC;	calculated;	IC;	conductometry;	IC;
LC0058	N175A	DIN 38409-6; H6; IC	DIN 38405-8; D8; titration	EN ISO 14911; IC	EN 27888;	EN ISO 14911; IC
LC0059	N175A		DIN 38409-7; H7		EN 27888; C8	
LC0060	N175A	calculated; (Ca, Mg)	DIN 38409-7;	EN ISO 11885;	EN 27888;	EN ISO 11885;
LC0061	N175A			ISO 9964-3;	EN 27888;	
LC0062	N175A	IC; house method		IC; house method	EN 27888; conductometry	IC; house method
LC0063	N175A	ÖN M 6268; titrimetry	DIN 38409-7; titrimetry	EN ISO 17294-2; E29; ICP-MS	EN 27888; C8; conductometry	EN ISO 17294-2; E29; ICP-MS

LabCode	Sample	Sodium	Ammonium (as NH ₄)	Nitrite (as NO ₂)	Nitrate (as NO ₃)	Orthophosphate (as PO ₄)
LC0001	N175A	EN ISO 17294-2;	ISO 7150-1;	EN 26777;	EN ISO 10304-1;	EN ISO 6878;
LC0002	N175A	EN ISO 14911;	EN ISO 11732;	EN ISO 10304-1;	EN ISO 10304-1;	EN ISO 6878;
LC0003	N175A	EN ISO 17294-2;	EN ISO 11732;	EN ISO 13395;	EN ISO 10304-1;	EN ISO 15681-2;
LC0004	N175A		spectrometric; UV-VIS	spectrometric; UV-VIS	spectrometric; UV-VIS	spectrometric; UV-VIS
LC0005	N175A		ISO 7150-1; part 1			
LC0006	N175A	EN ISO 14911;	ISO 7150-1;	EN 26777;	EN ISO 10304-1;	EN ISO 6878;
LC0007	N175A					
LC0008	N175A					
LC0009	N175A	EN ISO 11885;	EN ISO 11732;	EN ISO 13395;	EN ISO 10304-1;	EN ISO 15681-2;
LC0010	N175A	EN ISO 14911; IC	DIN 38406-5; photometry	EN 26777; photometry	EN ISO 10304-1; IC	EN ISO 6878; photometry
LC0011	N175A	EN ISO 11885;	EN ISO 11732;	EN ISO 13395;	EN ISO 10304-1;	EN ISO 15681;
LC0012	N175A					EN ISO 6878; UV-VIS
LC0013	N175A					
LC0014	N175A	EN ISO 14911; IC	DIN 38409-5; UV/VIS	EN 26777; UV/VIS	EN ISO 10304-1; IC	EN ISO 6878; UV/VIS
LC0015	N175A	EN ISO 11885;	EN ISO 11732;	EN ISO 13395;	EN ISO 13395;	EN ISO 15681-2;
LC0016	N175A	DIN 38406-14; E14; AAS	DIN 38406-5; E5; UV	EN ISO 10304-1; D20; IC	EN ISO 10304-1; D20; IC	EN ISO 10304-1; D20; IC
LC0017	N175A		DIN 38406-5;	EN 26777;	EN ISO 10304-1;	EN ISO 6878;
LC0018	N175A					
LC0019	N175A			EN ISO 10304-1;	EN ISO 10304-1;	EN ISO 10304-1;
LC0020	N175A	EN ISO 14911;	EN ISO 11732;	EN ISO 13395;	EN ISO 10304-1;	EN ISO 15681-2;
LC0021	N175A	ICP-OES;	DIN 38406-5; UV	EN 26777; UV	DIN 38405-9; UV	EN ISO 6878; UV
LC0022	N175A	IC;	photometry;	photometry;	IC;	photometry;
LC0023	N175A	EN ISO 14911; IC; modified	ISO 7150-1; photometry; modified	EN 26777; photometry; modified	EN ISO 14911; IC; modified	EN ISO 6878; photometry; modified
LC0024	N175A	EN ISO 17294-2; ICP-MS	ISO 7150-1; UV	EN 26777; UV	EN ISO 10304-1; IC	EN ISO 6878; UV
LC0025	N175A	EN ISO 17294-2;	EN ISO 11732;	EN ISO 13395;	EN ISO 10304-1;	EN ISO 15681-2;
LC0026	N175A	EN ISO 17294-2;				
LC0027	N175A		EN ISO 11732;	EN 26777;	EN ISO 10304-1;	
LC0028	N175A	EN ISO 14911;	DIN 38406-5; E5	EN 26777;	EN ISO 10304-1;	EN ISO 6878;
LC0029	N175A	EN ISO 14911;	ISO 7150-1;	EN 26777;	EN ISO 10304-1;	EN ISO 6878;
LC0030	N175A		DIN 38406-5; photometry	EN 26777; photometry	EN ISO 10304-1; IC	EN ISO 6878;
LC0031	N175A			EN 26777;		
LC0032	N175A					
LC0033	N175A	IC;	spectrometric; UV-VIS	spectrometric; UV-VIS	IC;	
LC0034	N175A		EN ISO 11732; E23; FIA	EN ISO 13395; D20; FIA	EN ISO 10304-1; D20; IC	EN ISO 15681-1; D45; FIA
LC0035	N175A					

LabCode	Sample	Sodium	Ammonium (as NH4)	Nitrite (as NO2)	Nitrate (as NO3)	Orthophosphate (as PO4)
LC0036	N175A	EN ISO 11885; ICP-OES	DIN 38406-5;	EN 26777;	EN ISO 10304-1;	EN ISO 6878;
LC0037	N175A	IC;	photometry;	photometry;	IC;	CFA; continous flow analyzer
LC0038	N175A	EN ISO 17294-2;	DIN 38406-5;	EN ISO 10304-1;	EN ISO 10304-1;	EN ISO 10304-1;
LC0039	N175A	EN ISO 11885; E22	DIN 38406-5; E5	EN 26777; D10	EN ISO 10304-1; D20	EN ISO 6878;
LC0040	N175A		EN ISO 14911;		EN ISO 10304-1;	
LC0041	N175A			ISO 15923-1; D49	ISO 15923-1; D49	ISO 15923-1; D49
LC0042	N175A	EN ISO 11885; E22	DIN 38406-5; E5	EN 26777; D10	EN ISO 10304-1; D20	EN ISO 6878; D11
LC0043	N175A		EN ISO 11732;			
LC0044	N175A		DIN 38406-5; E5	EN 26777; D10	DIN 38405-29; D29	EN ISO 6878; D11
LC0045	N175A	EN ISO 17294-2;	photometry; spectroquant;	photometry; spectroquant;	photometry; spectroquant;	
LC0046	N175A					
LC0047	N175A	EN ISO 11885;	DIN 38406-5; E5	DIN 38406-5; D5	DIN 38406-5; D5	DIN 38406-5; D5
LC0048	N175A		DIN 38406-5;			
LC0049	N175A		EN ISO 11732;	EN ISO 13395;	EN ISO 13395;	EN ISO 15681-2;
LC0050	N175A					
LC0051	N175A	EN ISO 11885;	ISO 7150-1;	EN ISO 13395;	EN ISO 10304-1;	EN ISO 6878;
LC0052	N175A	EN ISO 14911; IC	ISO 7150-1; photometry	EN 26777; photometry	EN ISO 10304-1; IC	
LC0053	N175A	EN ISO 11885;	DIN 38406-5;			EN ISO 6878;
LC0054	N175A	EN ISO 14911;	EN ISO 11732;	EN ISO 13395;	EN ISO 10304-1;	EN ISO 15681-2;
LC0055	N175A					
LC0056	N175A	EN ISO 11885;	EN ISO 11732;	EN 26777;	EN ISO 13395;	EN ISO 6878;
LC0057	N175A	IC;	IC;	photometry;	IC;	photometry;
LC0058	N175A	EN ISO 14911; IC	EN ISO 11732; FIA	EN ISO 13395; FIA	EN ISO 10304-1; IC	EN ISO 6878; FIA
LC0059	N175A					EN ISO 6878;
LC0060	N175A	EN ISO 11885;	ISO 15923-1;	ISO 15923-1;	EN ISO 10304;	ISO 15923-1;
LC0061	N175A	ISO 9964-3;	EN ISO 11732;	EN ISO 13395;	EN ISO 13395;	EN ISO 15681-2;
LC0062	N175A	IC; house method	IC; house method	IC; house method	IC; house method	
LC0063	N175A	EN ISO 17294-2; E29; ICP-MS	DIN 38406-5; UV-VIS	EN 26777; UV-VIS	DIN 38405-9; UV-VIS	EN ISO 17294-2; E29

LabCode	Sample	Sulfate (as SO ₄)	pH-value	Total nitrogen	DOC (as C)
LC0001	N175A	EN ISO 10304-1;	EN ISO 10523;		EN 1484;
LC0002	N175A	EN ISO 10304-1;	EN ISO 10523;	EN 12260;	EN 1484;
LC0003	N175A	EN ISO 10304-1;	EN ISO 10523;	EN ISO 20236;	EN 1484;
LC0004	N175A		pH-meter;		
LC0005	N175A		EN ISO 10523;		
LC0006	N175A	EN ISO 10304-1;	EN ISO 10523;	EN 12260;	EN 1484;
LC0007	N175A		EN ISO 10523;		
LC0008	N175A		EN ISO 10523; C5		
LC0009	N175A	EN ISO 10304-1;	EN ISO 10523;	EN 12260;	EN 1484;
LC0010	N175A	EN ISO 10304-1; IC	EN ISO 10523;		
LC0011	N175A	EN ISO 10304-1;	EN ISO 10523;	EN 12260;	EN 1484;
LC0012	N175A				EN 1484; H3; combustion
LC0013	N175A		EN ISO 10523; C5		
LC0014	N175A	EN ISO 10304-1; IC	DIN 38409-6; potentiometry		EN 1484; combustion
LC0015	N175A	EN ISO 10304-1;	EN ISO 10523;	EN ISO 11905-1;	EN 1484;
LC0016	N175A	EN ISO 10304-1; D20; IC	EN ISO 10523; C5	EN ISO 11905-1; H36; IC	EN 1484; H3
LC0017	N175A	EN ISO 10304-1;	EN ISO 10523;	EN ISO 20236;	EN 1484;
LC0018	N175A		DIN 38404;	EN ISO 11905-1; EN ISO 13395	
LC0019	N175A	EN ISO 10304-1;			
LC0020	N175A	EN ISO 10304-1;	EN ISO 10523;	EN 12260;	EN 1484;
LC0021	N175A	spectrometric; EPA 375.4	EN ISO 10523; potentiometry (pH- meter)		
LC0022	N175A	IC;	pH-meter; specific electrode	combustion; (catalytic)	combustion; (chemical)
LC0023	N175A	EN ISO 14911; IC; modified	EN ISO 10523; potentiometry (pH- meter)		
LC0024	N175A	EN ISO 10304-1; IC	EN ISO 10523;	EN ISO 20236; chemoluminescence	EN 1484; catalytic oxidation
LC0025	N175A	EN ISO 10304-1;	EN ISO 10523;	EN ISO 11905-1;	EN 1484;
LC0026	N175A				
LC0027	N175A	EN ISO 10304-1;	EN ISO 10523;		EN 1484;
LC0028	N175A	EN ISO 10304-1;	EN ISO 10523;	EN ISO 20236;	EN ISO 20236;
LC0029	N175A	EN ISO 10304-1;	DIN 38409-7;		EN 1484;
LC0030	N175A	EN ISO 10304-1; IC	EN ISO 10523;	EN 12260; oxidation	EN 1484; oxidation
LC0031	N175A		EN ISO 10523;		
LC0032	N175A		EN ISO 10523; C5		EN 1484; H3
LC0033	N175A	IC;	pH-meter;		combustion;
LC0034	N175A	EN ISO 10304-1; D20; IC	DIN 38404-5; C5; potentiometry	EN ISO 10304-1; D20, oxisolv digestion	EN 1484; H3; catalytic combustion; NDIR
LC0035	N175A				

LabCode	Sample	Sulfate (as SO ₄)	pH-value	Total nitrogen	DOC (as C)
LC0036	N175A	EN ISO 10304-1;	EN ISO 10523;	EN 12260;	EN 1484;
LC0037	N175A	IC;	potentiometry;		combustion; IR
LC0038	N175A	EN ISO 10304-1;	EN ISO 10523;	EN 25663;	
LC0039	N175A	EN ISO 10304-1; D20	EN ISO 10523; C5	EN 12260; H34	EN 1484;
LC0040	N175A		EN ISO 10523;		EN 1484;
LC0041	N175A	ISO 15923-1; D49		calculated;	EN 1484; H3
LC0042	N175A	EN ISO 10304-1; D20	EN ISO 10523; C5	EN ISO 20236; H62	EN 1484; H3
LC0043	N175A		EN ISO 10523;		EN 1484;
LC0044	N175A		EN ISO 10523; C5		EN 1484; H3
LC0045	N175A	photometry; spectroquant;	EN ISO 10523; C5		
LC0046	N175A				
LC0047	N175A	DIN 38406-5; D5	EN ISO 10523; C5	EN 25663; H11	EN 1484;
LC0048	N175A	EN ISO 10304-1;			
LC0049	N175A	EN ISO 10304-1;	EN ISO 10523;	EN 12260;	EN 1484;
LC0050	N175A		EN ISO 10523;		
LC0051	N175A	EN ISO 10304-1;	EN ISO 10523;	EN ISO 11905-1;	EN 1484;
LC0052	N175A	EN ISO 10304-1; IC	EN ISO 10523; gas electrode		EN 1484; peroxid digestion
LC0053	N175A	EN ISO 10304-1;	EN ISO 10523;		EN 1484;
LC0054	N175A	EN ISO 10304-1;	EN ISO 10523;	EN ISO 20236;	EN 1484;
LC0055	N175A				
LC0056	N175A	EN ISO 10304-1;	EN ISO 10523;	DIN 38409-27;	EN 1484;
LC0057	N175A	IC;	pH-meter;	TOC-N analyzer;	TOC-N analyzer;
LC0058	N175A	EN ISO 10304-1; IC	EN ISO 10523;		EN 1484;
LC0059	N175A		EN ISO 10523; C5		
LC0060	N175A	EN ISO 10304;	EN ISO 10523;	ISO 15923-1;	EN 1484;
LC0061	N175A	ISO 22743;	EN ISO 10523;		EN 1484;
LC0062	N175A	IC; house method	EN ISO 10523; potentiometry (pH- meter)		photometry; IR; house method
LC0063	N175A	EN ISO 10304-1; D20; IC	EN ISO 10523; C5; potentiometry		

LabCode	Sample	Alkalinity Ks 4,3	Boron	Calcium	Chloride	Total-P (as PO4)
LC0001	N175B	EN ISO 9963-1;	EN ISO 17294-2;	EN ISO 17294-2;	EN ISO 10304-1;	EN ISO 6878;
LC0002	N175B	DIN 38409-7; H7		EN ISO 14911;	EN ISO 10304-1;	
LC0003	N175B	DIN 38409-7; H7-2	EN ISO 17294-2;	EN ISO 17294-2;	EN ISO 10304-1;	EN ISO 15681-2;
LC0004	N175B	titrimetry;			titrimetry;	spectrometric; UV-VIS
LC0005	N175B					
LC0006	N175B	EN ISO 9963-1;		EN ISO 14911;	EN ISO 10304-1;	EN ISO 6878;
LC0007	N175B					
LC0008	N175B	DIN 38409-7; H7				
LC0009	N175B	DIN 38409-7;	EN ISO 11885;	EN ISO 11885;	EN ISO 10304-1;	EN ISO 6878;
LC0010	N175B	DIN 38409-7; titration		EN ISO 14911; IC	EN ISO 10304-1; IC	EN ISO 6878; photometry
LC0011	N175B	DIN 38409-7;	EN ISO 11885;	EN ISO 11885;	EN ISO 10304-1;	EN ISO 15681;
LC0012	N175B		EN ISO 17294-2; ICP-MS	EN ISO 17294-2; ICP-MS		EN ISO 17294-2; ICP-MS
LC0013	N175B					
LC0014	N175B	DIN 38409-6; titrimetry	EN ISO 11885; ICP-OES	EN ISO 14911; IC	EN ISO 10304-1; IC	EN ISO 6878; UV/VIS
LC0015	N175B	DIN 38409-7;	EN ISO 11885;	EN ISO 11885;	EN ISO 10304-1;	EN ISO 6878;
LC0016	N175B	DIN 38409-7; H7; titration	EN ISO 11885; E22; ICP	EN ISO 7980; E3a; AAS	EN ISO 10304-1; D20; IC	EN ISO 11885; E22; ICP
LC0017	N175B	EN ISO 9963-1;	EN ISO 17294-2;		EN ISO 10304-1;	EN ISO 6878;
LC0018	N175B					
LC0019	N175B				EN ISO 10304-1;	
LC0020	N175B	DIN 38409-7;	EN ISO 17294-2;	EN ISO 14911;	EN ISO 10304-1;	EN ISO 15681-2;
LC0021	N175B	titrimetry;		ICP-OES;	spectrometric; EPA 325.1	
LC0022	N175B	titrimetry;		IC;	IC;	photometry;
LC0023	N175B	EN ISO 9963-1; titrimetry; modified		EN ISO 14911; IC; modified	EN ISO 14911; IC; modified	
LC0024	N175B	DIN 38409-7; titration	EN ISO 17294-2; ICP-MS	EN ISO 17294-2; ICP-MS	EN ISO 10304-1; IC	EN ISO 6878; UV
LC0025	N175B	DIN 38409-7;	EN ISO 17294-2;	EN ISO 17294-2;	EN ISO 10304-1;	EN ISO 15681-2;
LC0026	N175B		EN ISO 17294-2;	EN ISO 17294-2;		
LC0027	N175B	DIN 38409-7;			EN ISO 10304-1;	
LC0028	N175B	EN ISO 9963-1;		EN ISO 14911;	EN ISO 10304-1;	EN ISO 6878;
LC0029	N175B	DIN 38409-7;		EN ISO 14911;	EN ISO 10304-1;	EN ISO 6878;
LC0030	N175B	DIN 38409-7; volumetry			EN ISO 10304-1; IC	
LC0031	N175B	DIN 38409-7;				
LC0032	N175B	DIN 38409-7; H7				
LC0033	N175B	titrimetry;		IC;	IC;	
LC0034	N175B				EN ISO 10304-1; D20; IC	EN ISO 15681-1; D45; oxisolv-digestion; FIA
LC0035	N175B					

LabCode	Sample	Alkalinity Ks 4,3	Boron	Calcium	Chloride	Total-P (as PO4)
LC0036	N175B		EN ISO 17294-2; ICP-MS	EN ISO 17294-2; ICP-MS	EN ISO 10304-1;	EN ISO 6878;
LC0037	N175B	titrimetry;		titrimetry;	IC;	CFA; continous flow analyzer
LC0038	N175B	DIN 38409-7;	EN ISO 17294-2;	EN ISO 17294-2;	EN ISO 10304-1;	
LC0039	N175B	DIN 38409-7; H7	EN ISO 11885; E22	EN ISO 11885; E22	EN ISO 10304-1; D20	EN ISO 11885; E22; calculated
LC0040	N175B	DIN 38409-7;			EN ISO 10304-1;	EN ISO 6878;
LC0041	N175B			EN ISO 17294-2; E29; ICP-MS		
LC0042	N175B	DIN 38409-7; H7	EN ISO 11885; E22	EN ISO 11885; E22	EN ISO 10304-1; D20	EN ISO 6878; D11
LC0043	N175B	DIN 38409-7;				
LC0044	N175B	DIN 38409-7; H7				EN ISO 6878; D11
LC0045	N175B	DIN 38409-7; H7	EN ISO 17294-2;	EN ISO 17294-2;	photometry; chloride test	EN ISO 17294-2;
LC0046	N175B	DIN 38409-7; H7-2				
LC0047	N175B	DIN 38409-7; H7	EN ISO 11885;	EN ISO 11885;	DIN 38406-5; D5	EN ISO 11885;
LC0048	N175B	DIN 38409-7;				
LC0049	N175B	DIN 38409-7;			EN ISO 10304-1;	
LC0050	N175B	DIN 38409-7; H7-1-2				
LC0051	N175B	DIN 38409-7;	EN ISO 11885;	EN ISO 11885;	EN ISO 10304-1;	EN ISO 6878;
LC0052	N175B	EN ISO 9963-1; titrimetry	DIN 38405; photometry	EN ISO 14911; IC	EN ISO 10304-1; IC	EN ISO 6878; photometry
LC0053	N175B	DIN 38409-7;		EN ISO 11885;	EN ISO 10304-1;	EN ISO 6878;
LC0054	N175B	DIN 38409-7;	EN ISO 17294-2;	EN ISO 14911;	EN ISO 10304-1;	EN ISO 6878;
LC0055	N175B					
LC0056	N175B	DIN 38409-7;	EN ISO 11885;	EN ISO 11885;	EN ISO 10304-1;	EN ISO 11885;
LC0057	N175B	titration;		IC;	IC;	
LC0058	N175B	DIN 38409-7; H7; titration		EN ISO 14911; IC	EN ISO 10304-1; IC	EN ISO 6878; photometry
LC0059	N175B	DIN 38409-7; H7; titration				EN ISO 6878;
LC0060	N175B	DIN 38409-7;	EN ISO 11885;	EN ISO 11885;	EN ISO 10304;	ISO 15923-1;
LC0061	N175B				EN ISO 15682;	
LC0062	N175B			IC; house method	IC; house method	
LC0063	N175B	DIN 38409-7; titrimetry		EN ISO 17294-2; E29; ICP-MS	spectrometric; UV-VIS	

LabCode	Sample	Total hardness	Hydrogen carbonate	Potassium	El. conductivity (25°C)	Magnesium
LC0001	N175B	calculated;	calculated;	EN ISO 17294-2;	EN 27888;	EN ISO 17294-2;
LC0002	N175B	DIN 38409-6; H6	DIN 38405-8; D8	EN ISO 14911;	EN 27888;	EN ISO 14911;
LC0003	N175B	DIN 38409-6;	DIN 38409-7; H7-2	EN ISO 17294-2;	EN 27888;	EN ISO 17294-2;
LC0004	N175B		titrimetry;		conductometry;	
LC0005	N175B				EN 27888;	
LC0006	N175B	DIN 38406-6;	EN ISO 9963-1;	EN ISO 14911;	EN 27888;	EN ISO 14911;
LC0007	N175B				EN 27888;	
LC0008	N175B				EN 27888; C8	
LC0009	N175B	DIN 38409-6; H6	DIN 38409-7; part 7	EN ISO 11885;	EN 27888;	EN ISO 11885;
LC0010	N175B	calculated;	calculated;	EN ISO 14911; IC	EN 27888;	EN ISO 14911; IC
LC0011	N175B	DIN 38409-6;		EN ISO 11885;	EN 27888;	EN ISO 11885;
LC0012	N175B	EN ISO 17294-2; ICP-MS				EN ISO 17294-2; ICP-MS
LC0013	N175B				EN 27888;	
LC0014	N175B	DIN 38409-6; titrimetry	DIN 38409-6; titrimetry	EN ISO 14911; IC	EN 27888; conductometry	EN ISO 14911; IC
LC0015	N175B	calculated; (Ca, Mg)	DIN 38409-7;	EN ISO 11885;	EN 27888;	EN ISO 11885;
LC0016	N175B	EN ISO 7980; E3a; AAS	DIN 38409-7; H7	DIN 38406-13; AAS	EN 27888;	EN ISO 7980; E3a; AAS
LC0017	N175B		EN ISO 9963-1;		EN 27888;	
LC0018	N175B					
LC0019	N175B					
LC0020	N175B	EN ISO 14911;	DIN 38409-7;	EN ISO 14911;	EN 27888;	EN ISO 14911;
LC0021	N175B	calculated;		ICP-OES;	EN 27888; conductometry	ICP-OES;
LC0022	N175B			IC;	conductometry;	IC;
LC0023	N175B	EN ISO 14911; IC; modified	EN ISO 9963-1; titrimetry	EN ISO 14911; IC; modified	EN 27888; conductometry (ISO 7888)	EN ISO 14911; IC; modified
LC0024	N175B	DIN 38409-6; calculated	calculated; (Ks 4,3)	EN ISO 17294-2; ICP-MS	EN 27888;	EN ISO 17294-2; ICP-MS
LC0025	N175B	DIN 38409-6;	DIN 38409-7;	EN ISO 17294-2;	ÖN M 6616;	EN ISO 17294-2;
LC0026	N175B			EN ISO 17294-2;		EN ISO 17294-2;
LC0027	N175B		DIN 38409-7;		EN 27888;	
LC0028	N175B	DIN 38409;	EN ISO 9963-1;	DIN 38406-13;	EN 27888;	EN ISO 14911;
LC0029	N175B	calculated; (Ca, Mg)	calculated;	EN ISO 14911;	EN 27888;	EN ISO 14911;
LC0030	N175B		DIN 38409-7; volumetry		EN 27888; electrochemical	
LC0031	N175B		calculated;		EN 27888;	
LC0032	N175B				EN 27888; C8	
LC0033	N175B	IC;	titrimetry;	IC;	conductometry;	IC;
LC0034	N175B				DIN 38404-8; C8; conductometry	
LC0035	N175B	DIN 38409-6; titration	DIN 38409-6; titration			

LabCode	Sample	Total hardness	Hydrogen carbonate	Potassium	El. conductivity (25°C)	Magnesium
LC0036	N175B	calculated;		EN ISO 11885; ICP-OES	EN 27888;	EN ISO 17294-2; ICP-MS
LC0037	N175B	titrimetry;	titrimetry;	IC;	EN 27888;	titrimetry;
LC0038	N175B	titration; complexometric	DIN 38409-7;	EN ISO 17294-2;	EN 27888;	EN ISO 17294-2;
LC0039	N175B	calculated;	DIN 38409-7; H7	EN ISO 11885; E22	EN 27888; C8	EN ISO 11885; E22
LC0040	N175B				EN 27888;	
LC0041	N175B	DIN 38409-6; H6	calculated;			EN ISO 17294-2; E29; ICP-MS
LC0042	N175B	calculated;	DIN 38409-7; H7	EN ISO 11885; E22	EN 27888; C8	EN ISO 11885; E22
LC0043	N175B				EN 27888;	
LC0044	N175B				EN 27888; C8	
LC0045	N175B			EN ISO 17294-2;	EN 27888; C8	EN ISO 17294-2;
LC0046	N175B					
LC0047	N175B	DIN 38409-6; H6	DIN 38409-7; H7	EN ISO 11885;	EN 27888; C8	EN ISO 11885;
LC0048	N175B					
LC0049	N175B				EN 27888;	
LC0050	N175B		DIN 38405-8;		EN 27888; C8	
LC0051	N175B	EN ISO 11885;	DIN 38409-7; D8	EN ISO 11885;	EN 27888;	EN ISO 11885;
LC0052	N175B	EN ISO 14911; calculated	EN ISO 9963-1; calculated	EN ISO 14911; IC	EN 27888; conductometry	EN ISO 14911; IC
LC0053	N175B		DIN 38409-7;	EN ISO 11885;	EN 27888;	EN ISO 11885;
LC0054	N175B	DIN 38409-6;	DIN 38409-7;	EN ISO 14911;	EN 27888;	EN ISO 14911;
LC0055	N175B					
LC0056	N175B	DIN 38406-3;	calculated;	EN ISO 11885;	EN 27888;	EN ISO 11885;
LC0057	N175B	IC;	calculated;	IC;	conductometry;	IC;
LC0058	N175B	DIN 38409-6; H6; IC	DIN 38405-8; D8; titration	EN ISO 14911; IC	EN 27888;	EN ISO 14911; IC
LC0059	N175B		DIN 38409-7; H7		EN 27888; C8	
LC0060	N175B	calculated; (Ca, Mg)	DIN 38409-7;	EN ISO 11885;	EN 27888;	EN ISO 11885;
LC0061	N175B			ISO 9964-3;	EN 27888;	
LC0062	N175B	IC; house method		IC; house method	EN 27888; conductometry	IC; house method
LC0063	N175B	ÖN M 6268; titrimetry	DIN 38409-7; titrimetry	EN ISO 17294-2; E29; ICP-MS	EN 27888; C8; conductometry	EN ISO 17294-2; E29; ICP-MS

LabCode	Sample	Sodium	Ammonium (as NH ₄)	Nitrite (as NO ₂)	Nitrate (as NO ₃)	Orthophosphate (as PO ₄)
LC0001	N175B	EN ISO 17294-2;	ISO 7150-1;	EN 26777;	EN ISO 10304-1;	EN ISO 6878;
LC0002	N175B	EN ISO 14911;	EN ISO 11732;	EN ISO 10304-1;	EN ISO 10304-1;	EN ISO 6878;
LC0003	N175B	EN ISO 17294-2;	EN ISO 11732;	EN ISO 13395;	EN ISO 10304-1;	EN ISO 15681-2;
LC0004	N175B		spectrometric; UV-VIS	spectrometric; UV-VIS	spectrometric; UV-VIS	spectrometric; UV-VIS
LC0005	N175B		ISO 7150-1; part 1			
LC0006	N175B	EN ISO 14911;	ISO 7150-1;	EN 26777;	EN ISO 10304-1;	EN ISO 6878;
LC0007	N175B					
LC0008	N175B					
LC0009	N175B	EN ISO 11885;	EN ISO 11732;	EN ISO 13395;	EN ISO 10304-1;	EN ISO 15681-2;
LC0010	N175B	EN ISO 14911; IC	DIN 38406-5; photometry	EN 26777; photometry	EN ISO 10304-1; IC	EN ISO 6878; photometry
LC0011	N175B	EN ISO 11885;	EN ISO 11732;	EN ISO 13395;	EN ISO 10304-1;	EN ISO 15681;
LC0012	N175B					EN ISO 6878; UV-VIS
LC0013	N175B					
LC0014	N175B	EN ISO 14911; IC	DIN 38409-5; UV/VIS	EN 26777; UV/VIS	EN ISO 10304-1; IC	EN ISO 6878; UV/VIS
LC0015	N175B	EN ISO 11885;	EN ISO 11732;	EN ISO 13395;	EN ISO 13395;	EN ISO 15681-2;
LC0016	N175B	DIN 38406-14; AAS	DIN 38406-5; E5; UV	EN ISO 10304-1; D20; IC	EN ISO 10304-1; D20; IC	EN ISO 10304-1; D20; IC
LC0017	N175B		DIN 38406-5;	EN 26777;	EN ISO 10304-1;	EN ISO 6878;
LC0018	N175B					
LC0019	N175B			EN ISO 10304-1;	EN ISO 10304-1;	EN ISO 10304-1;
LC0020	N175B	EN ISO 14911;	EN ISO 11732;	EN ISO 13395;	EN ISO 10304-1;	EN ISO 15681-2;
LC0021	N175B	ICP-OES;	DIN 38406-5; UV	EN 26777; UV	DIN 38405-9; UV	EN ISO 6878; UV
LC0022	N175B	IC;	photometry;	photometry;	IC;	photometry;
LC0023	N175B	EN ISO 14911; IC; modified	ISO 7150-1; photometry; modified	EN 26777; photometry; modified	EN ISO 14911; IC; modified	EN ISO 6878; photometry; modified
LC0024	N175B	EN ISO 17294-2; ICP-MS	ISO 7150-1; UV	EN 26777; UV	EN ISO 10304-1; IC	EN ISO 6878; UV
LC0025	N175B	EN ISO 17294-2;	EN ISO 11732;	EN ISO 13395;	EN ISO 10304-1;	EN ISO 15681-2;
LC0026	N175B	EN ISO 17294-2;				
LC0027	N175B		EN ISO 11732;	EN 26777;	EN ISO 10304-1;	
LC0028	N175B	EN ISO 14911;	DIN 38406-5; E5	EN 26777;	EN ISO 10304-1;	EN ISO 6878;
LC0029	N175B	EN ISO 14911;	ISO 7150-1;	EN 26777;	EN ISO 10304-1;	EN ISO 6878;
LC0030	N175B		DIN 38406-5; photometry	EN 26777; photometry	EN ISO 10304-1; IC	EN ISO 6878;
LC0031	N175B			EN 26777;		
LC0032	N175B					
LC0033	N175B	IC;	spectrometric; UV-VIS	spectrometric; UV-VIS	IC;	
LC0034	N175B		EN ISO 11732; E23; FIA	EN ISO 13395; D20; FIA	EN ISO 10304-1; D20; IC	EN ISO 15681-1; D45; FIA
LC0035	N175B					

LabCode	Sample	Sodium	Ammonium (as NH ₄)	Nitrite (as NO ₂)	Nitrate (as NO ₃)	Orthophosphate (as PO ₄)
LC0036	N175B	EN ISO 11885; ICP-OES	DIN 38406-5;	EN 26777;	EN ISO 10304-1;	EN ISO 6878;
LC0037	N175B	IC;	photometry;	photometry;	IC;	CFA; continous flow analyzer
LC0038	N175B	EN ISO 17294-2;	DIN 38406-5;	EN ISO 10304-1;	EN ISO 10304-1;	EN ISO 10304-1;
LC0039	N175B	EN ISO 11885; E22	DIN 38406-5; E5	EN 26777; D10	EN ISO 10304-1; D20	EN ISO 6878;
LC0040	N175B		EN ISO 14911;		EN ISO 10304-1;	
LC0041	N175B			ISO 15923-1; D49	ISO 15923-1; D49	ISO 15923-1; D49
LC0042	N175B	EN ISO 11885; E22	DIN 38406-5; E5	EN 26777; D10	EN ISO 10304-1; D20	EN ISO 6878; D11
LC0043	N175B		EN ISO 11732;			
LC0044	N175B		DIN 38406-5; E5	EN 26777; D10	DIN 38405-29; D29	EN ISO 6878; D11
LC0045	N175B	EN ISO 17294-2;	photometry; spectroquant;	photometry; spectroquant;	photometry; spectroquant;	
LC0046	N175B					
LC0047	N175B	EN ISO 11885;	DIN 38406-5; E5	DIN 38406-5; D5	DIN 38406-5; D5	DIN 38406-5; D5
LC0048	N175B		DIN 38406-5;			
LC0049	N175B		EN ISO 11732;	EN ISO 13395;	EN ISO 13395;	EN ISO 15681-2;
LC0050	N175B					
LC0051	N175B	EN ISO 11885;	ISO 7150-1;	EN ISO 13395;	EN ISO 10304-1;	EN ISO 6878;
LC0052	N175B	EN ISO 14911; IC	ISO 7150-1; photometry	EN 26777; photometry	EN ISO 10304-1; IC	
LC0053	N175B	EN ISO 11885;	DIN 38406-5;		EN ISO 10304-1;	EN ISO 6878;
LC0054	N175B	EN ISO 14911;	EN ISO 11732;	EN ISO 13395;	EN ISO 10304-1;	EN ISO 15681-2;
LC0055	N175B					
LC0056	N175B	EN ISO 11885;	EN ISO 11732;	EN 26777;	EN ISO 13395;	EN ISO 6878;
LC0057	N175B	IC;	IC;	photometry;	IC;	photometry;
LC0058	N175B	EN ISO 14911; IC	EN ISO 11732; FIA	EN ISO 13395; FIA	EN ISO 10304-1; IC	EN ISO 6878; FIA
LC0059	N175B					EN ISO 6878;
LC0060	N175B	EN ISO 11885;	ISO 15923-1;	ISO 15923-1;	EN ISO 10304;	ISO 15923-1;
LC0061	N175B	ISO 9964-3;	EN ISO 11732;	EN ISO 13395;	EN ISO 13395;	EN ISO 15681-2;
LC0062	N175B	IC; house method	IC; house method	IC; house method	IC; house method	
LC0063	N175B	EN ISO 17294-2; E29; ICP-MS	DIN 38406-5; UV-VIS	EN 26777; UV-VIS	DIN 38405-9; UV-VIS	EN ISO 17294-2; E29

LabCode	Sample	Sulfate (as SO ₄)	pH-value	Total nitrogen	DOC (as C)
LC0001	N175B	EN ISO 10304-1;	EN ISO 10523;		EN 1484;
LC0002	N175B	EN ISO 10304-1;	EN ISO 10523;	EN 12260;	EN 1484;
LC0003	N175B	EN ISO 10304-1;	EN ISO 10523;	EN ISO 20236;	EN 1484;
LC0004	N175B		pH-meter;		
LC0005	N175B		EN ISO 10523;		
LC0006	N175B	EN ISO 10304-1;	EN ISO 10523;	EN 12260;	EN 1484;
LC0007	N175B		EN ISO 10523;		
LC0008	N175B		EN ISO 10523; C5		
LC0009	N175B	EN ISO 10304-1;	EN ISO 10523;	EN 12260;	EN 1484;
LC0010	N175B	EN ISO 10304-1; IC	EN ISO 10523;		
LC0011	N175B	EN ISO 10304-1;	EN ISO 10523;	EN 12260;	EN 1484;
LC0012	N175B				EN 1484; H3; combustion
LC0013	N175B		EN ISO 10523; C5		
LC0014	N175B	EN ISO 10304-1; IC	DIN 38409-6; potentiometry		EN 1484; combustion
LC0015	N175B	EN ISO 10304-1;	EN ISO 10523;	EN ISO 11905-1;	EN 1484;
LC0016	N175B	EN ISO 10304-1; D20; IC	EN ISO 10523; C5	EN ISO 11905-1; H36; IC	EN 1484; H3
LC0017	N175B	EN ISO 10304-1;	EN ISO 10523;	EN ISO 20236;	EN 1484;
LC0018	N175B		DIN 38404;	EN ISO 11905-1; EN ISO 13395	
LC0019	N175B	EN ISO 10304-1;			
LC0020	N175B	EN ISO 10304-1;	EN ISO 10523;	EN 12260;	EN 1484;
LC0021	N175B	spectrometric; EPA 375.4	EN ISO 10523; potentiometry (pH-meter)		
LC0022	N175B	IC;	pH-meter; specific electrode	combustion; (catalytic)	combustion; (chemical)
LC0023	N175B	EN ISO 14911; IC; modified	EN ISO 10523; potentiometry (pH-meter)		
LC0024	N175B	EN ISO 10304-1; IC	EN ISO 10523;	EN ISO 20236; chemoluminescence	EN 1484; catalytic oxidation
LC0025	N175B	EN ISO 10304-1;	EN ISO 10523;	EN ISO 11905-1;	EN 1484;
LC0026	N175B				
LC0027	N175B	EN ISO 10304-1;	EN ISO 10523;		EN 1484;
LC0028	N175B	EN ISO 10304-1;	EN ISO 10523;	EN ISO 20236;	EN ISO 20236;
LC0029	N175B	EN ISO 10304-1;	DIN 38409-7;		EN 1484;
LC0030	N175B	EN ISO 10304-1; IC	EN ISO 10523;	EN 12260; oxidation	EN 1484; oxidation
LC0031	N175B		EN ISO 10523;		
LC0032	N175B		EN ISO 10523; C5		EN 1484; H3
LC0033	N175B	IC;	pH-meter;		combustion;
LC0034	N175B	EN ISO 10304-1; D20; IC	DIN 38404-5; C5; potentiometry	EN ISO 10304-1; D20, oxisolv digestion	EN 1484; H3; catalytic combustion; NDIR
LC0035	N175B				

LabCode	Sample	Sulfate (as SO ₄)	pH-value	Total nitrogen	DOC (as C)
LC0036	N175B	EN ISO 10304-1;	EN ISO 10523;	EN 12260;	EN 1484;
LC0037	N175B	IC;	potentiometry;		combustion; IR
LC0038	N175B	EN ISO 10304-1;	EN ISO 10523;	EN 25663;	
LC0039	N175B	EN ISO 10304-1; D20	EN ISO 10523; C5	EN 12260; H34	EN 1484;
LC0040	N175B		EN ISO 10523;		EN 1484;
LC0041	N175B	ISO 15923-1; D49		calculated;	EN 1484; H3
LC0042	N175B	EN ISO 10304-1; D20	EN ISO 10523; C5	EN ISO 20236; H62	EN 1484; H3
LC0043	N175B		EN ISO 10523;		EN 1484;
LC0044	N175B		EN ISO 10523; C5		EN 1484; H3
LC0045	N175B	photometry; spectroquant;	EN ISO 10523; C5		
LC0046	N175B				
LC0047	N175B	DIN 38406-5; D5	EN ISO 10523; C5	EN 25663; H11	EN 1484;
LC0048	N175B	EN ISO 10304-1;			
LC0049	N175B	EN ISO 10304-1;	EN ISO 10523;	EN 12260;	EN 1484;
LC0050	N175B		EN ISO 10523;		
LC0051	N175B	EN ISO 10304-1;	EN ISO 10523;	EN ISO 11905-1;	EN 1484;
LC0052	N175B	EN ISO 10304-1; IC	EN ISO 10523; gas electrode		EN 1484; peroxid digestion
LC0053	N175B	EN ISO 10304-1;	EN ISO 10523;		EN ISO 6878;
LC0054	N175B	EN ISO 10304-1;	EN ISO 10523;	EN ISO 20236;	EN 1484;
LC0055	N175B				
LC0056	N175B	EN ISO 10304-1;	EN ISO 10523;	DIN 38409-27;	EN 1484;
LC0057	N175B	IC;	pH-meter;	TOC-N analyzer;	TOC-N analyzer;
LC0058	N175B	EN ISO 10304-1; IC	EN ISO 10523;		EN 1484;
LC0059	N175B		EN ISO 10523; C5		
LC0060	N175B	EN ISO 10304;	EN ISO 10523;	ISO 15923-1;	EN 1484;
LC0061	N175B	ISO 22743;	EN ISO 10523;		EN 1484;
LC0062	N175B	IC; house method	EN ISO 10523; potentiometry (pH- meter)		photometry; IR; house method
LC0063	N175B	EN ISO 10304-1; D20; IC	EN ISO 10523; C5; potentiometry		