

Proficiency Testing Scheme für die Umweltanalytik

**AB18 Abfall nach der Deponie-VO
(Eluat Ionen)**

Proficiency Testing Scheme for Environmental Analysis

**AB18 Waste according to landfill directive
(eluate ions)**

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D1. Beschreibung des Ringversuchs

D1.1. Ausgestaltung und Durchführung

- Anzahl der Anmeldungen: 31
- Anzahl der übermittelten Datensätze: 31
- Probenversand: 01.09.2026
- Einsendeschluss der Daten: 29.09.2026

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

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

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

D1.2. Beschreibung der Prüfgegenstände

Als Probenmaterial diente ein Abfalleluat, hergestellt aus MVA-Rostasche.

Das Probenmaterial umfasste:

- 2 Proben Eluat (AB18 und AB18TOC)

Um homogene Probeneluate zu erzielen, wurde mit der Herstellung der Eluatmatrix gemäß ÖNORM EN 12457-4 L/S=10 l/kg TM bereits am 17.06.2026 begonnen und die Eluate über einen 0,45 µm Membranfilter filtriert (01.07.2026) und bis zur weiteren Vorbereitung im Labor gelagert.

Vor der Probenherstellung wurde die Eluatmatrix auf $4 \pm 3^\circ\text{C}$ gekühlt und am Abfülltag unter kontinuierlichem Rühren zusätzlich mit ausgewählten Substanzen dotiert.

Das Abfüllen der Proben erfolgte unter ständigem Rühren (Rührkessel). Die Stabilisierung erfolgte durch Kühlung (Probe AB18) bzw. durch Zusatz von Salzsäure (Probe AB18TOC, final 1 % HCl).

Die homogenen Prüfgegenstände wurden am 01.09.2026 verschickt.

Jedes teilnehmende Labor erhielt:

- 2 Proben (insgesamt 600 ml), abgefüllt in je 1 x 500ml PET-Flasche (AB18) und in 1 x 100 ml LDPE-Flasche (Probe AB18TOC).

D1.3. Anweisungen für die Teilnehmenden

Aus Stabilitätsgründen wurde empfohlen bis spätestens 09.09.2026 mit den Analysen zu beginnen.

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

D1.4. Kontrollanalytik zur Bewertung der Homogenität

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

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

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

Die Ergebnisse der Kontrollanalytik sind in der parameterorientierten Auswertung (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

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 29.09.2026 beim Veranstalter vorliegen. Später eingehende Werte wurden nicht berücksichtigt.

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

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

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

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

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

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

D2. Kriterien der Leistungsbewertung

D2.1. Leistungskriterium z-Score

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

Die Ermittlung der z-Scores erfolgte gemäß nachfolgender Formel:

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

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

D2.2. Leistungskriterium E_n-Score

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

Die Ermittlung der E_n-Scores erfolgte gemäß nachfolgender Formel:

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

x_i	Messergebnis des teilnehmenden Labors
$\bar{X}$	zugewiesener Wert Sollwert für die Leistungsbewertung der Teilnehmenden (angegeben auf 3 signifikante Stellen); im Regelfall: ausreißerbereinigter Mittelwert der Ergebnisse der Teilnehmenden. Eine davon abweichende Vorgehensweise wird unter Punkt D4 des Berichts beschrieben.

$U(x_i)$	erweiterte Messunsicherheit des Messergebnisses (Ergebnisse der Teilnehmenden), $k=2$
$U(\bar{x})$	erweiterte Messunsicherheit des zugewiesenen Wertes, $k=2$

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

Interpretation der z-Scores:

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

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

Interpretation der E_n-Scores:

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

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

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

D3. Darstellung und Interpretation der Messergebnisse

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

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

Bewertungsgrundlagen wie zugewiesener Wert samt erweiterter Messunsicherheit sowie das Kriterium.

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

D4. Anmerkungen zur Auswertung

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

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

Parameter NH₄ (als N), NO₃ (als N) bei Probe AB18 und Parameter TOC (als C) bei Probe AB18TOC:

Bei diesen Parametern erfolgt die Berechnung der Scores nach D2.

Parameter Abdampfrückstand, NO₂ (als N), Chlorid, Fluorid bei Probe AB18:

Die auf Basis der Ergebnisse der Teilnehmenden berechneten Sollwerte lagen außerhalb der Messunsicherheit des Kontrollwertes und es ist über das Kontrolllabor keine Rückführbarkeit möglich. Der zugewiesene Wert wurde daher über die ausreißerbereinigten Mittelwerte aus der Gruppe der akkreditierten Teilnehmenden berechnet. Als Kriterium wurde jeweils die relative Vergleichsstandardabweichung der ausreißerbereinigten Laborergebnisse herangezogen (Abdampfrückstand aufgerundet auf 10 %; NO₂-N aufgerundet auf 8.5 %; Chlorid 5 %, Fluorid 19 %).

Parameter Sulfat (als SO₄), pH-Wert und elektr. Leitfähigkeit (25°C) bei Probe AB18:

Für diese Parameter wurden angepasste relative Vergleichsstandardabweichungen (vR) für die Bewertung gewählt (SO₄: aufgerundet 5 %, pH-Wert und elektr. Leitfähigkeit jeweils aufgerundet 2 %).

Parameter PO₄ (als P) bei Probe AB18:

Die relative Vergleichsstandardabweichung lag hier über 50 %. Für diesen Parameter empfehlen wir einen Vergleich mit dem unter D6.1 angeführten informativen Wert.

D5. Erläuterung zu Tabellen und Grafiken

D5.1. Angaben und Abkürzungen in Tabellen

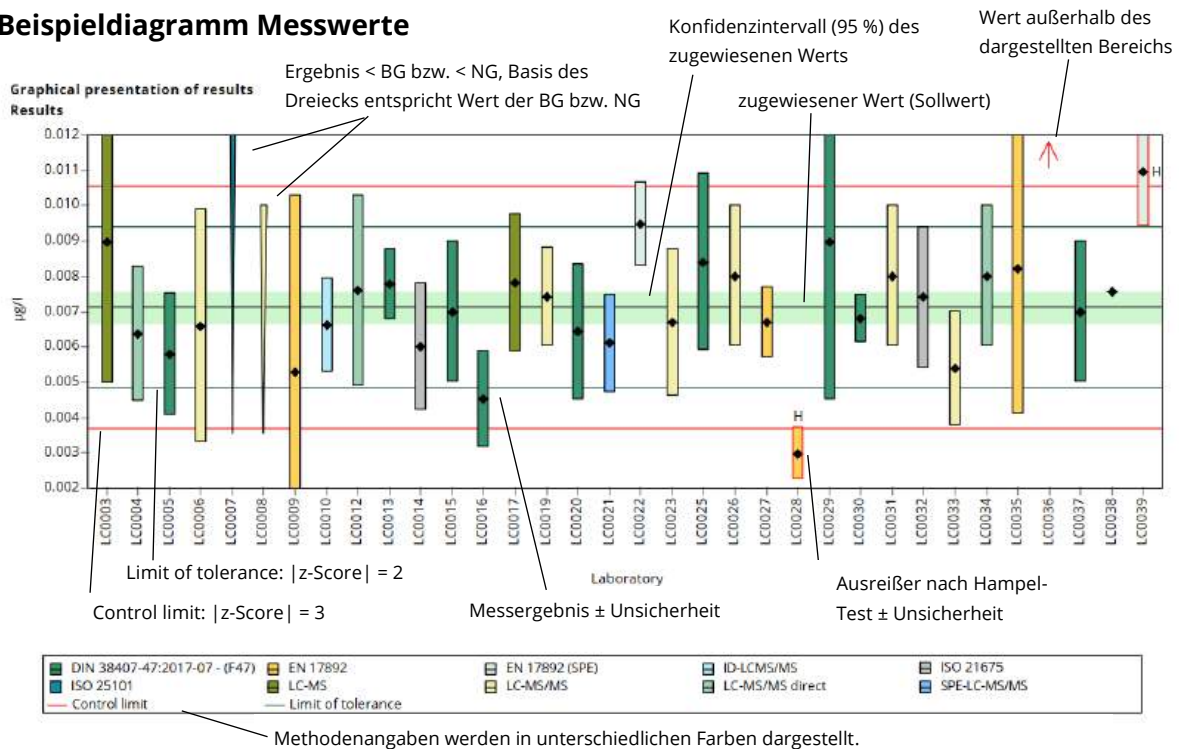
Parameter	Allgemeine Bezeichnung des Analysenparameters
Probe	Bezeichnung der übermittelten Probe
Einheit	Vorgegebene Einheit für Messwert und Ergebnisunsicherheit (z.B. µg/l)
Zugewiesener Wert	Sollwert für die Leistungsbewertung der Teilnehmenden (angegeben auf 3 signifikante Stellen)
U (k=2)	erweiterte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

$\pm U$	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

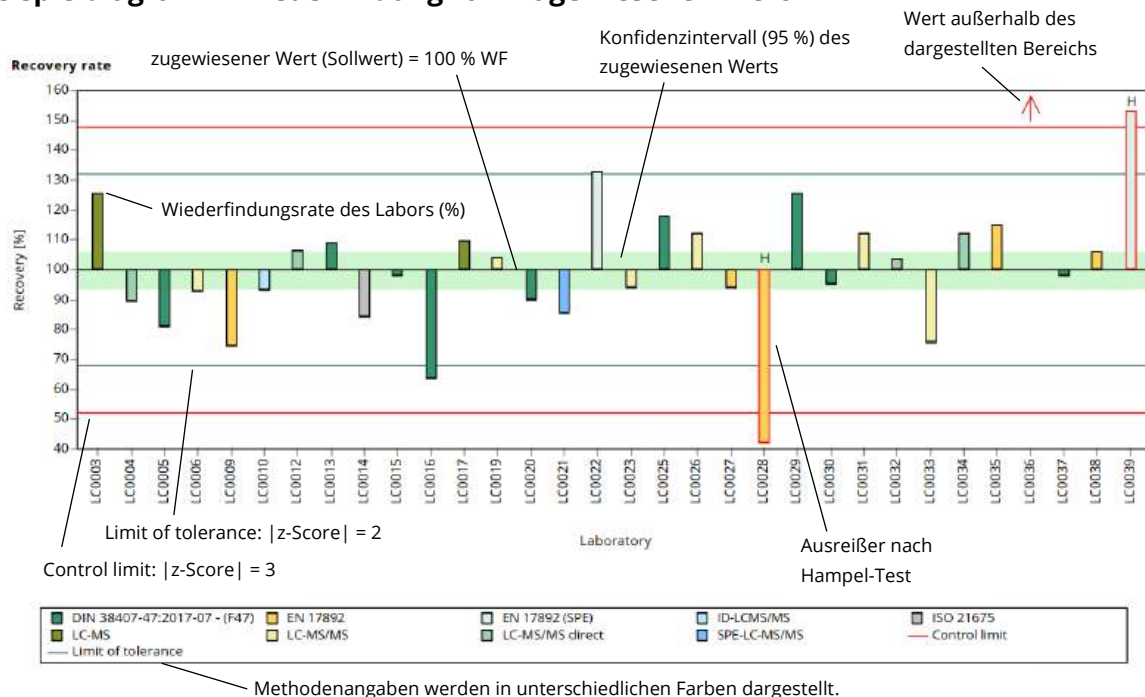
D5.2. Graphische Darstellung der Ergebnisse

Nachfolgend wird die graphische Darstellung anhand von kommentierten Beispieldiagrammen erläutert.

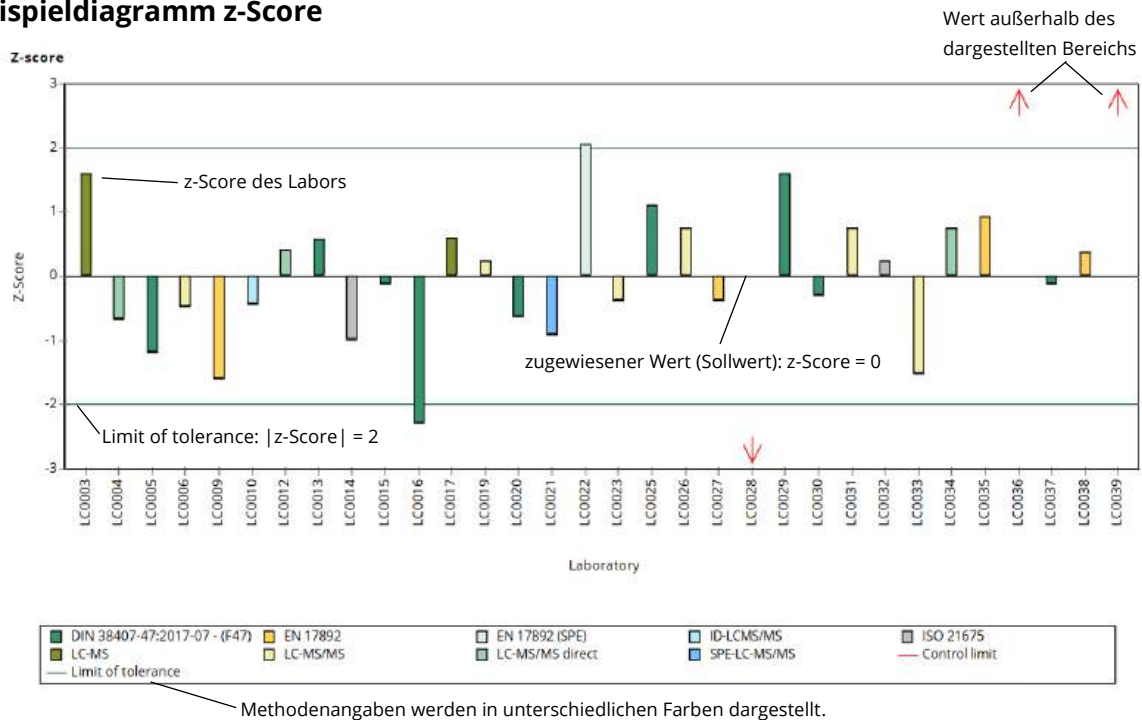
Beispieldiagramm Messwerte



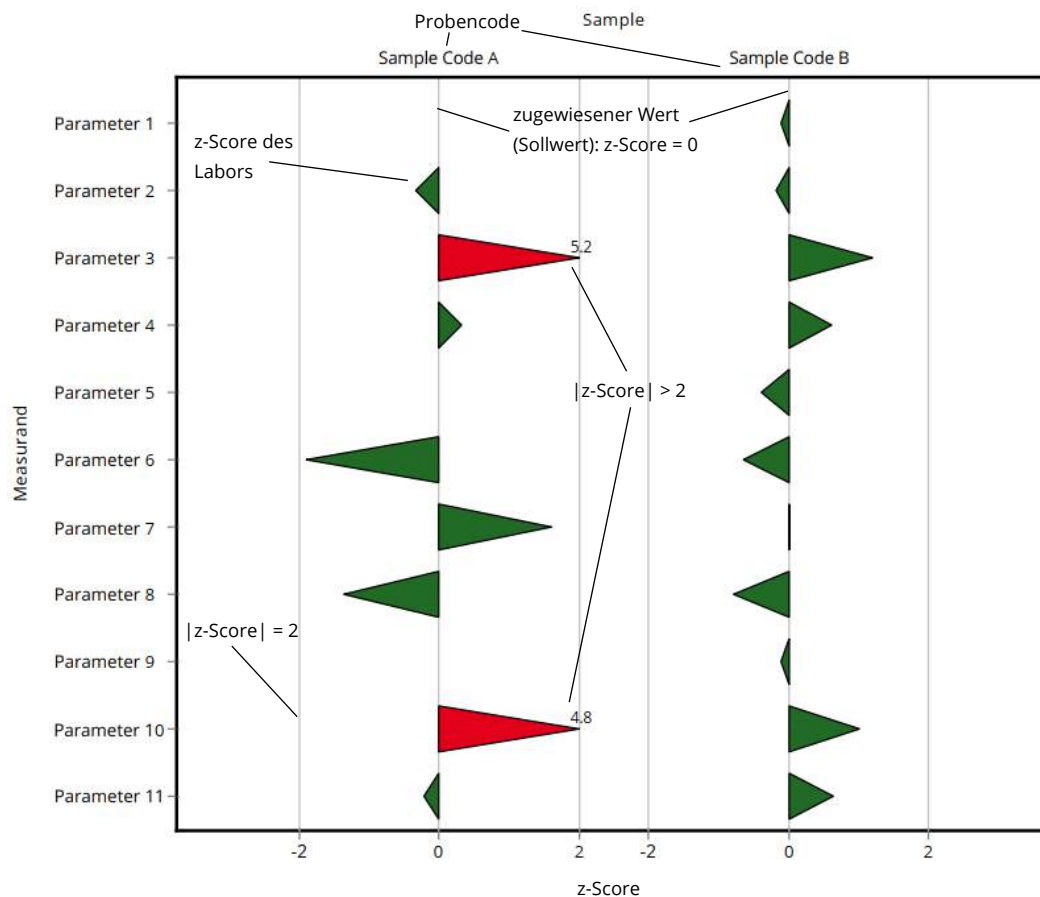
Beispieldiagramm Wiederfindung zum zugewiesenen Wert



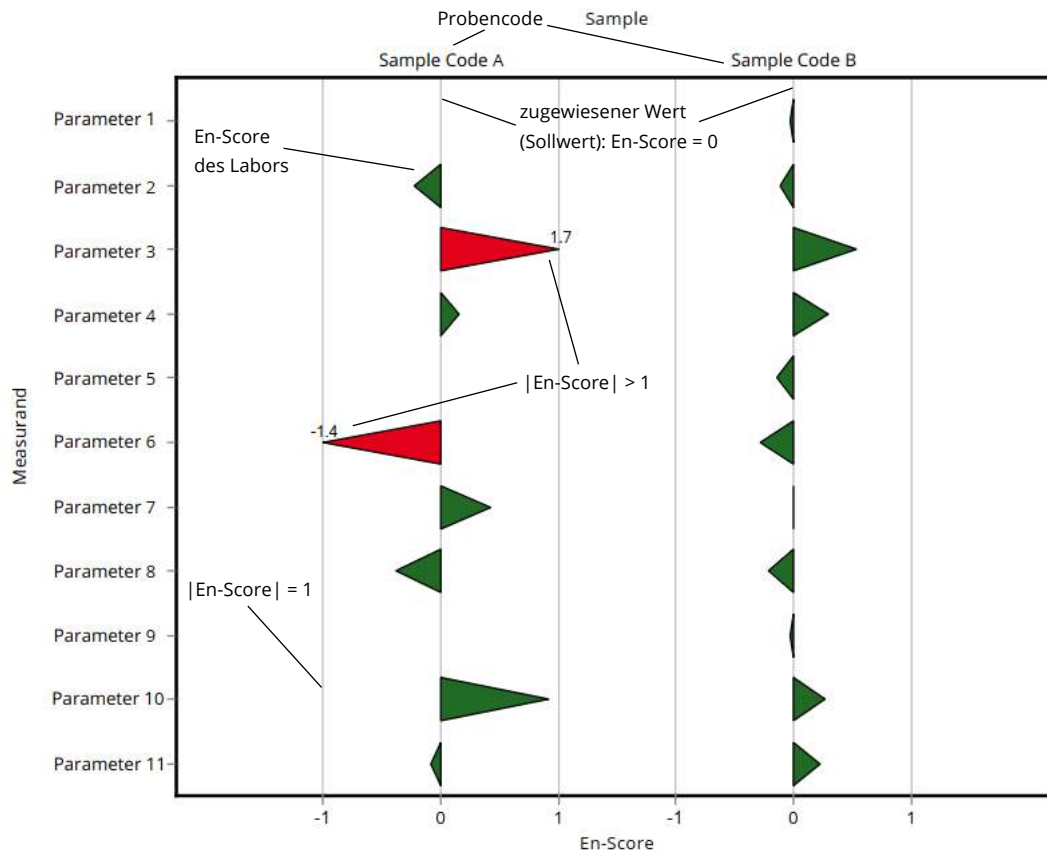
Beispieldiagramm z-Score



Beispieldiagramm z-Score (labororientierte Auswertung)



Beispieldiagramm En-Score (labororientierte Auswertung)



D6. Zusammenfassung

D6.1. Tabelle der zugewiesenen Werte

Parameter	Probe	Einheit	zugewiesener $\pm$ U (k=2) Wert	Kriterium	Kriterium [%]
Chlorid	AB18	mg/l	1670 $\pm$ 33.7	83.5	5
elektr. Leitfähigkeit (25°C)	AB18	mS/m	751 $\pm$ 4.32	15	2
Abdampfrückstand	AB18	mg/l	5840 $\pm$ 122	584	10
Fluorid	AB18	mg/l	0.355 $\pm$ 0.0246	0.0675	19
NH ₄ (als N)	AB18	mg/l	0.337 $\pm$ 0.0189	0.0472	14
NO ₂ (als N)	AB18	mg/l	0.248 $\pm$ 0.00825	0.0211	8.5
NO ₃ (als N)	AB18	mg/l	2.7 $\pm$ 0.0881	0.216	8
pH-Wert	AB18		7.02 $\pm$ 0.0466	0.14	2
PO ₄ (als P) *	AB18	mg/l	- $\pm$ -	-	-
Sulfat (als SO ₄)	AB18	mg/l	1620 $\pm$ 17.1	81.2	5
TOC (als C)	AB18 TOC	mg/l	23.1 $\pm$ 0.663	1.78	7.7

*Für nachfolgenden Parameter können keine zugewiesenen Werte ermittelt werden (Vergleichsstandardabweichung >50%). Daher sind zur Information der berechnete Mittelwert MW $\pm$ U(k=2) über die Daten der akkreditierten Labore (n) nach Ausreißerbereinigung angeführt. Diese Angabe dient zum Vergleich im Rahmen Ihrer internen QS-Maßnahmen.

PO₄ (als P):

MW (n=16, akkr.) $\pm$ U(k=2): 0.079 $\pm$ 0.0280 mg/l

D6.2. Zusammenfassung der ausreißerbereinigten Ringversuchsergebnisse

Parameter	Probe	Anzahl Labors für Berechnung	Anzahl Ausreißer Labors	Einheit	Mittelwert ± VB (99%)	Minimum	Maximum	sR	vR [%]
Chlorid	AB18	28	1	mg/l	1670 ± 47.2	1490	1910	83.3	5
elektr. Leitfähigkeit (25°C)	AB18	27	4	mS/m	751 ± 6.48	727	779	11.2	1.5
Abdampfrückstand	AB18	27	2	mg/l	5830 ± 173	5390	6340	299	5.1
Fluorid	AB18	23	3	mg/l	0.348 ± 0.041	0.195	0.523	0.0655	19
NH ₄ (als N)	AB18	23	3	mg/l	0.337 ± 0.0284	0.249	0.431	0.0454	13
NO ₂ (als N)	AB18	24	2	mg/l	0.25 ± 0.0128	0.216	0.3	0.0209	8.4
NO ₃ (als N)	AB18	24	3	mg/l	2.7 ± 0.132	2.17	3.19	0.216	8
pH-Wert	AB18	30	1		7.02 ± 0.0698	6.85	7.42	0.128	1.8
PO ₄ (als P)	AB18	18	4	mg/l	0.0757 ± 0.0382	0.0207	0.222	0.054	71
Sulfat (als SO ₄)	AB18	27	2	mg/l	1620 ± 25.7	1540	1730	44.5	2.7
TOC (als C)	AB18 TOC	29	0	mg/l	23.1 ± 0.994	19	26.5	1.78	7.7

E1. Description of the proficiency test

E1.1. Design and implementation

- Number of registrations: 31
- Number of submitted data records: 31
- Dispatch of samples: September 01st, 2026
- Closing date for submission of data: September 29th, 2026

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

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

E1.2. Description of the proficiency test items

The sample material consisted of a waste eluate prepared from municipal solid waste incineration bottom ash.

The following samples were made available:

- 2 eluate samples (AB18 and AB18TOC)

To guarantee homogenous eluate samples, the preparation of the eluate matrix according to OENORM EN 12457-4 (s : l = 1 : 10) was started on 17th of June 2026. The eluates were filtered through 0.45 µm membrane disc filters on 1st of July 2026 and subsequently stored in the laboratory until further processing.

Prior to sample preparation, the eluate matrix was cooled to $4 \pm 3^{\circ}\text{C}$ and, on the filling day, selectively spiked with specific substances under continuous stirring.

The samples were filled into bottles under continuous stirring (stirring vessel). Stabilization was achieved by cooling (AB18) and the addition of hydrochloric acid (AB18TOC, final concentration 1 % HCl).

The homogeneous proficiency test items were dispatched on 01st of September 2026.

Each participating laboratory received:

- 2 samples (altogether 600 ml), filled in 1 x 500 ml PET bottle (AB18) and 1 x 100 ml LDPE bottle (sample AB18TOC).

E1.3. Instructions for the participants

For reasons of stability, it was recommended to start the analysis by the 09th of September 2026 at the latest.

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

E1.4. Control testing for homogeneity evaluation

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

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

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

In the parameter-oriented evaluation (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 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 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 29th of September 2026. Any values received at later date were not considered.

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

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

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

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

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

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

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

E2. Criteria of performance evaluation

E2.1. Performance criterion z-Score

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

z-Scores were calculated based on the following formula:

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

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
Criterion	is the reproducibility standard deviation calculated from the participants' results after removal of outliers (sR) in the current round. Where justified (e.g. results for real samples are close to minimum quantification limit or in case of regulatory requirements) the criterion 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 samples is performed. This additional assessment considers the expanded measurement uncertainties of the participants' results and the expanded uncertainty of the assigned value and is provided in the laboratory-oriented part of the report (see E8 after the z-scores evaluation).

E_n-Scores were calculated based on the following formula:

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

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

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

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

Interpretation of z-Scores:

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

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

Interpretation of E_n -Scores:

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

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

E3. Representation and interpretation of measurement results

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

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

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

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

E4. Explanatory notes

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

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

Parameters NH₄ (as N), NO₃ (as N) for sample AB18 and TOC (as C) for sample AB18TOC: Scores for all listed parameters were calculated according to E2.

Parameters evaporation residue, NO₂ (as N), chloride and fluoride for sample AB18: 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. The criterion was based on the reproducibility standard deviation of the outlier-corrected laboratory results (criteria: evaporation residue rounded up to 10 %, fNO₂ (as N) rounded up to 8.5 %; chloride 5 %, fluoride 19 %).

Parameters sulfate (as SO₄), pH, and electrical conductivity (25°C) in sample AB18: For these parameters adjusted reproducibility standard deviations (vR) were defined for data evaluation (criteria: SO₄: rounded up to 5 %, pH and el. conductivity: both rounded up to 2 %).

Parameter PO₄ (as P) sample AB18:

The relative reproducibility standard deviation exceeded 50 %. For this parameter, we recommend a comparison with the informative value given in E6.1.

E5. Annotations on tables and charts

E5.1. Information and abbreviations in tables

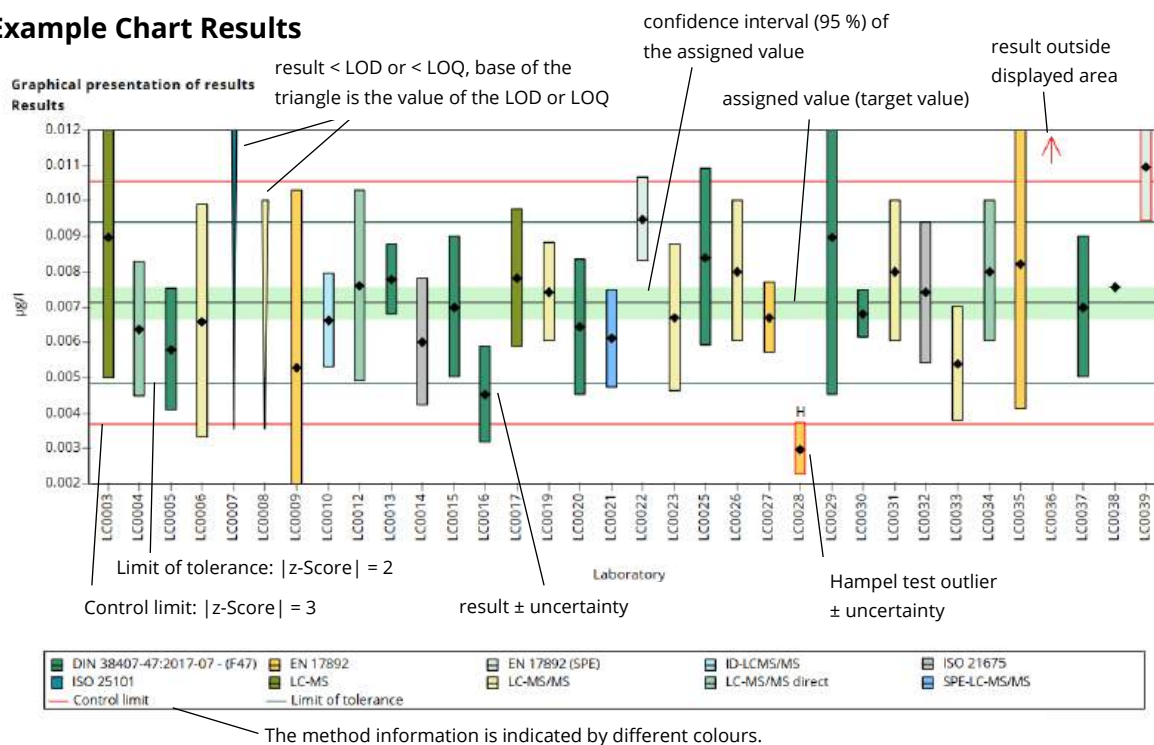
Parameter	Analyte identifier
Sample	Sample identifier
Unit	Given unit for result and uncertainty (e.g. µg/l)
Assigned value	Target value for proficiency assessment of the participants (3 significant digits)
U (k=2)	Expanded uncertainty (k=2) of the assigned value (3 significant digits)
Criteria	Specified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

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

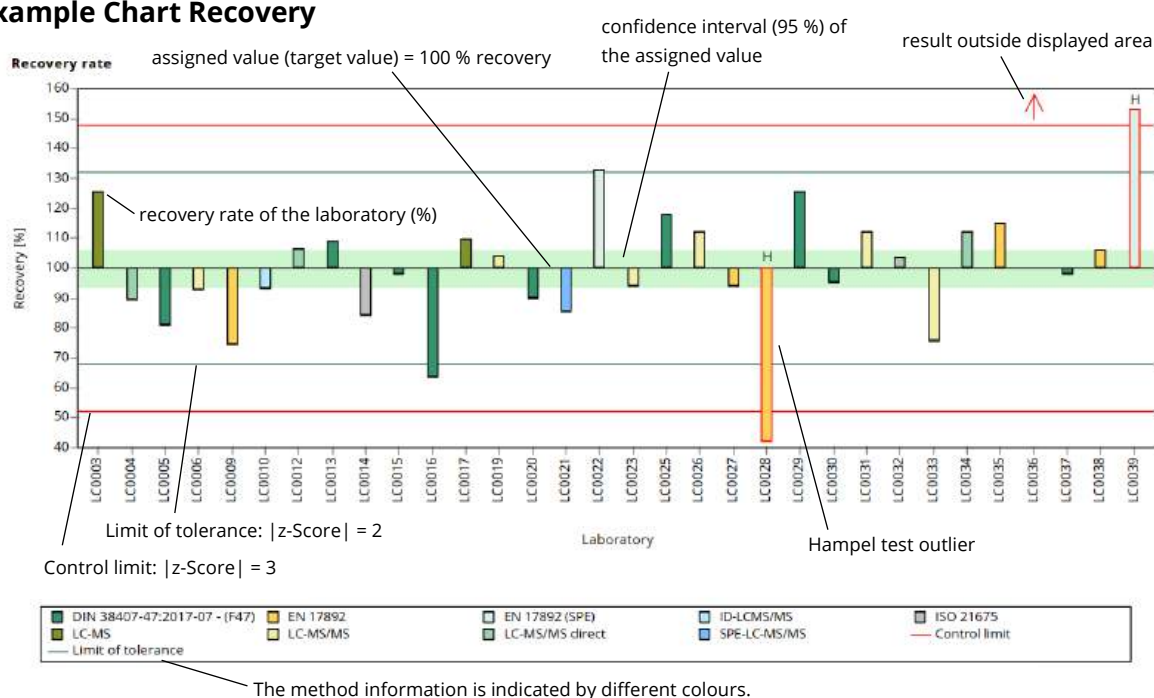
E5.2. Graphical presentation of results

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

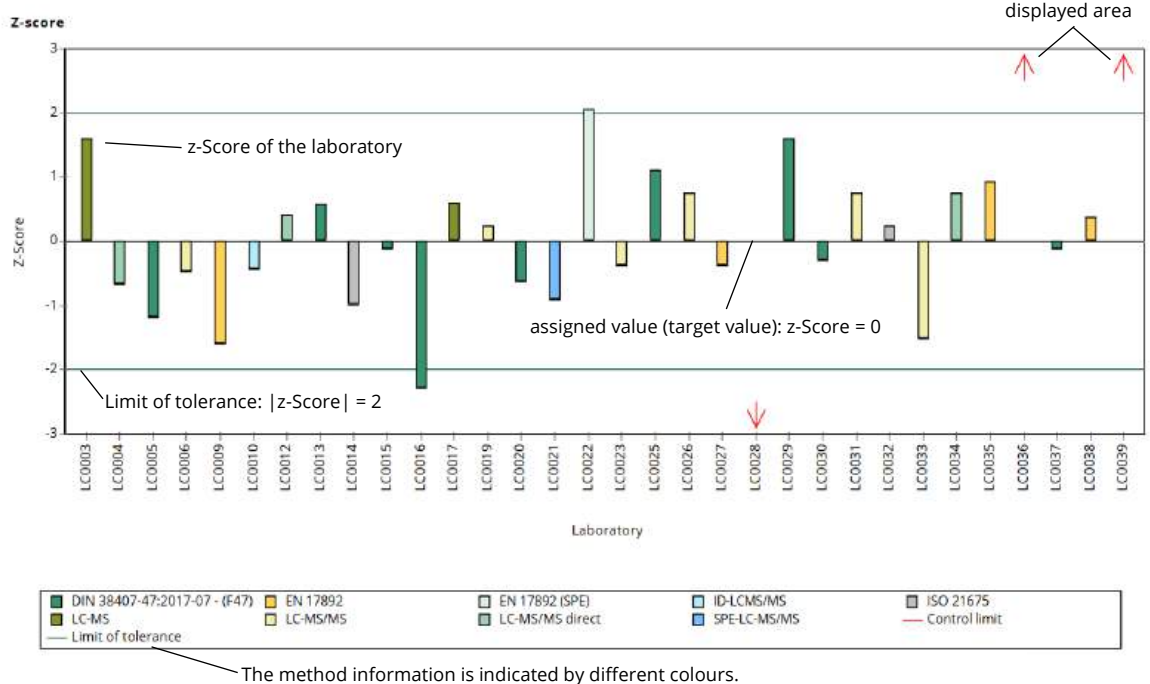
Example Chart Results



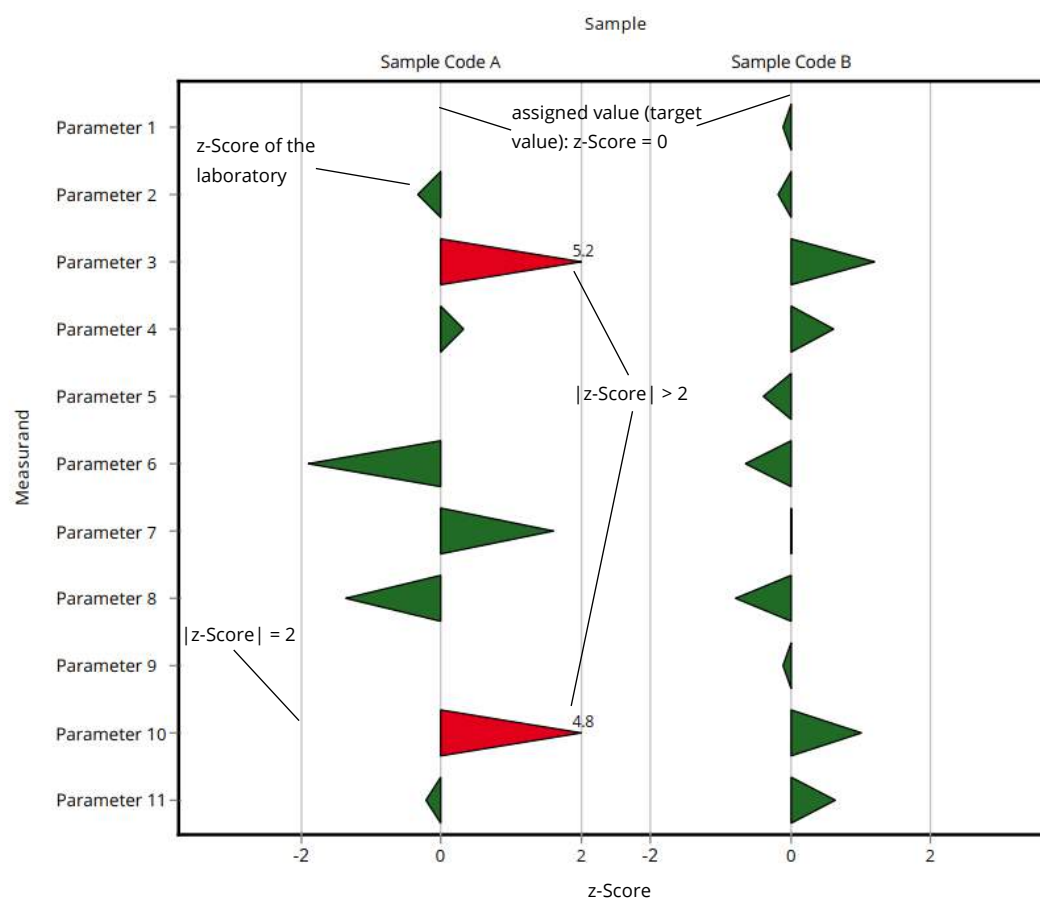
Example Chart Recovery



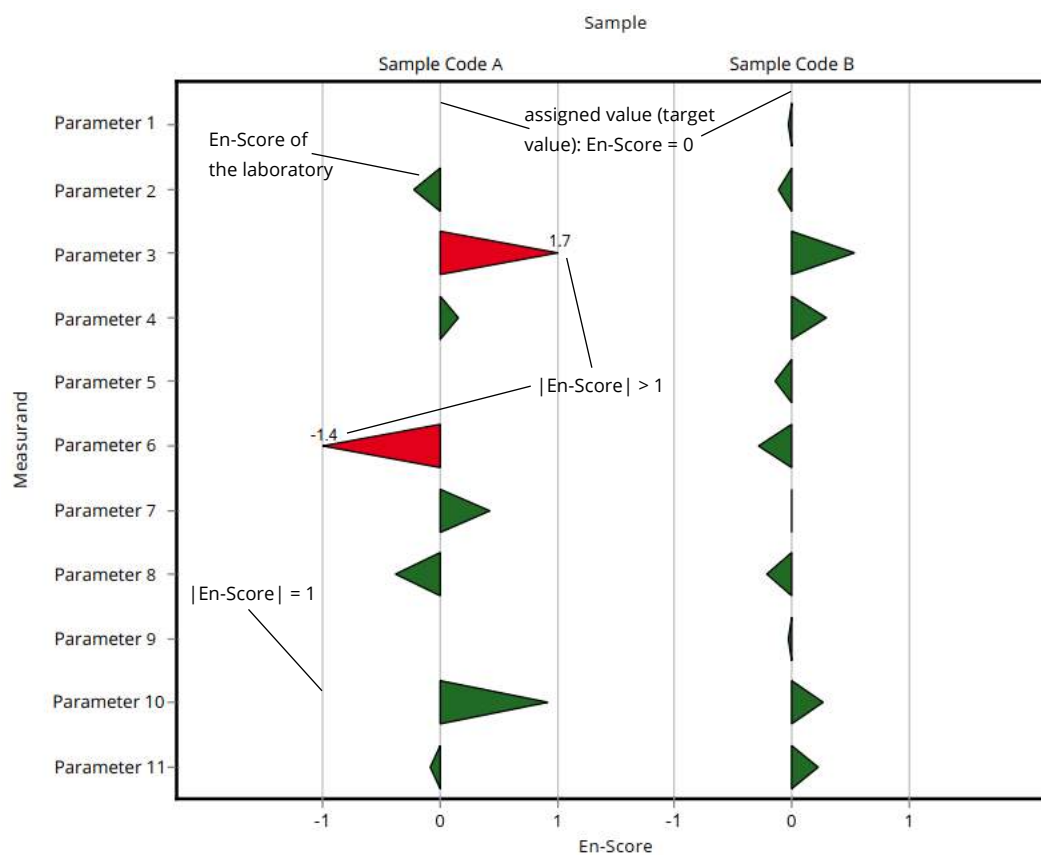
Example chart z-Score



Example chart z-Score (laboratory-oriented report)



Example chart En-Score (laboratory-oriented report)



E6. Summary

E6.1. Table of assigned values

Parameter	Sample	Unit	Assigned value $\pm$ U (k=2)	Criterion	Criterion [%]
Chloride	AB18	mg/l	1670 $\pm$ 33.7	83.5	5
El. conductivity (25°C)	AB18	mS/m	751 $\pm$ 4.32	15	2
Evaporation residue	AB18	mg/l	5840 $\pm$ 122	584	10
Fluoride	AB18	mg/l	0.355 $\pm$ 0.0246	0.0675	19
NH ₄ (as N)	AB18	mg/l	0.337 $\pm$ 0.0189	0.0472	14
NO ₂ (as N)	AB18	mg/l	0.248 $\pm$ 0.00825	0.0211	8.5
NO ₃ (as N)	AB18	mg/l	2.7 $\pm$ 0.0881	0.216	8
pH-value	AB18		7.02 $\pm$ 0.0466	0.14	2
PO ₄ (as P) *	AB18	mg/l	- $\pm$ -	-	-
Sulfate (as SO ₄)	AB18	mg/l	1620 $\pm$ 17.1	81.2	5
TOC (as C)	AB18 TOC	mg/l	23.1 $\pm$ 0.663	1.78	7.7

*Due to the high reproducibility standard deviation (>50%) for the following parameter, no assigned value could be established. For information purposes, the calculated mean value (MV $\pm$ U(k=2)) based on the results of the accredited laboratories (n) after outlier removal is provided. This data can be used for comparison as part of your internal QA measures.

PO₄ (as P):

MV (n=16, accr.) $\pm$ U(k=2): 0.079 $\pm$ 0.0280 mg/l

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

Parameter	Sample	Number of results for calculation	Number of outliers	Unit	Mean $\pm$ CI (99%)	Minimum	Maximum	sR	vR [%]
Chloride	AB18	28	1	mg/l	1670 $\pm$ 47.2	1490	1910	83.3	5
El. conductivity (25°C)	AB18	27	4	mS/m	751 $\pm$ 6.48	727	779	11.2	1.5
Evaporation residue	AB18	27	2	mg/l	5830 $\pm$ 173	5390	6340	299	5.1
Fluoride	AB18	23	3	mg/l	0.348 $\pm$ 0.041	0.195	0.523	0.0655	19
NH ₄ (as N)	AB18	23	3	mg/l	0.337 $\pm$ 0.0284	0.249	0.431	0.0454	13
NO ₂ (as N)	AB18	24	2	mg/l	0.25 $\pm$ 0.0128	0.216	0.3	0.0209	8.4
NO ₃ (as N)	AB18	24	3	mg/l	2.7 $\pm$ 0.132	2.17	3.19	0.216	8
pH-value	AB18	30	1		7.02 $\pm$ 0.0698	6.85	7.42	0.128	1.8
PO ₄ (as P)	AB18	18	4	mg/l	0.0757 $\pm$ 0.0382	0.0207	0.222	0.054	71
Sulfate (as SO ₄)	AB18	27	2	mg/l	1620 $\pm$ 25.7	1540	1730	44.5	2.7
TOC (as C)	AB18 TOC	29	0	mg/l	23.1 $\pm$ 0.994	19	26.5	1.78	7.7

E7. Parameterorientierte Auswertung / Parameter oriented report

Chloride.....	32
El. conductivity (25°C).....	37
Evaporation residue	42
Fluoride	47
NH ₄ (as N).....	52
NO ₂ (as N).....	57
NO ₃ (as N).....	62
pH-value.....	67
PO ₄ (as P).....	72
Sulfate (as SO ₄)	75
TOC (as C).....	80

Parameter oriented report Waste acc to landfill
directive (eluate ions) - AB18

Sample: AB18, Parameter: Chloride

Parameter oriented report

AB18

Chloride

Unit mg/l
Assigned value $\pm U$ (k=2) 1670 $\pm$ 33.7
Criterion 83.5 (5 %)
Minimum - Maximum 1490 - 1910
Control test value $\pm U$ (k=2) 1770 $\pm$ 70.9

Labcode	Result $\pm U$	Recovery [%]	z-Score	Comments
LC0001	1738 $\pm$ 365	104	0.83	
LC0002	1910 $\pm$ 229	114	2.89	
LC0003	1671 $\pm$ 206.7	100	0.02	
LC0004	1660 $\pm$ 166	99.5	-0.11	
LC0005	1575 $\pm$ 236	94.4	-1.13	
LC0006	1580 $\pm$ 160	94.7	-1.07	
LC0007	1670 $\pm$ 80	100	0.01	
LC0008	1645.0115 $\pm$ 246.75165	98.6	-0.29	
LC0009	1670 $\pm$ 32.6	100	0.01	
LC0010	1673 $\pm$ 18.2	100	0.05	
LC0011	1629 $\pm$ 113	97.6	-0.48	
LC0012	1660 $\pm$ 120	99.5	-0.11	
LC0013	1599 $\pm$ 80	95.8	-0.84	
LC0014	1600 $\pm$ 160	95.9	-0.83	
LC0015	1716 $\pm$ 172	103	0.56	
LC0016	1618.1 $\pm$ 11.816	96.9	-0.61	
LC0017	1790 $\pm$ 108	107	1.45	
LC0018	1603 $\pm$ 52.89	96	-0.79	
LC0019	1699 $\pm$ 102	102	0.36	
LC0020	1947 $\pm$ 7.529	117	3.33	H
LC0021	1792 $\pm$ 45.38	107	1.47	
LC0022	1580 $\pm$ 316	94.7	-1.07	
LC0023	1623.95 $\pm$ 275.91	97.3	-0.54	
LC0024	- $\pm$ -	-	-	
LC0025	1753 $\pm$ 351	105	1.01	
LC0026	1493 $\pm$ 119	89.4	-2.11	
LC0027	1690 $\pm$ 110	101	0.25	
LC0028	1648 $\pm$ 148	98.7	-0.25	
LC0029	1649 $\pm$ 247	98.8	-0.24	
LC0030	- $\pm$ -	-	-	
LC0031	1750 $\pm$ 277	105	0.97	

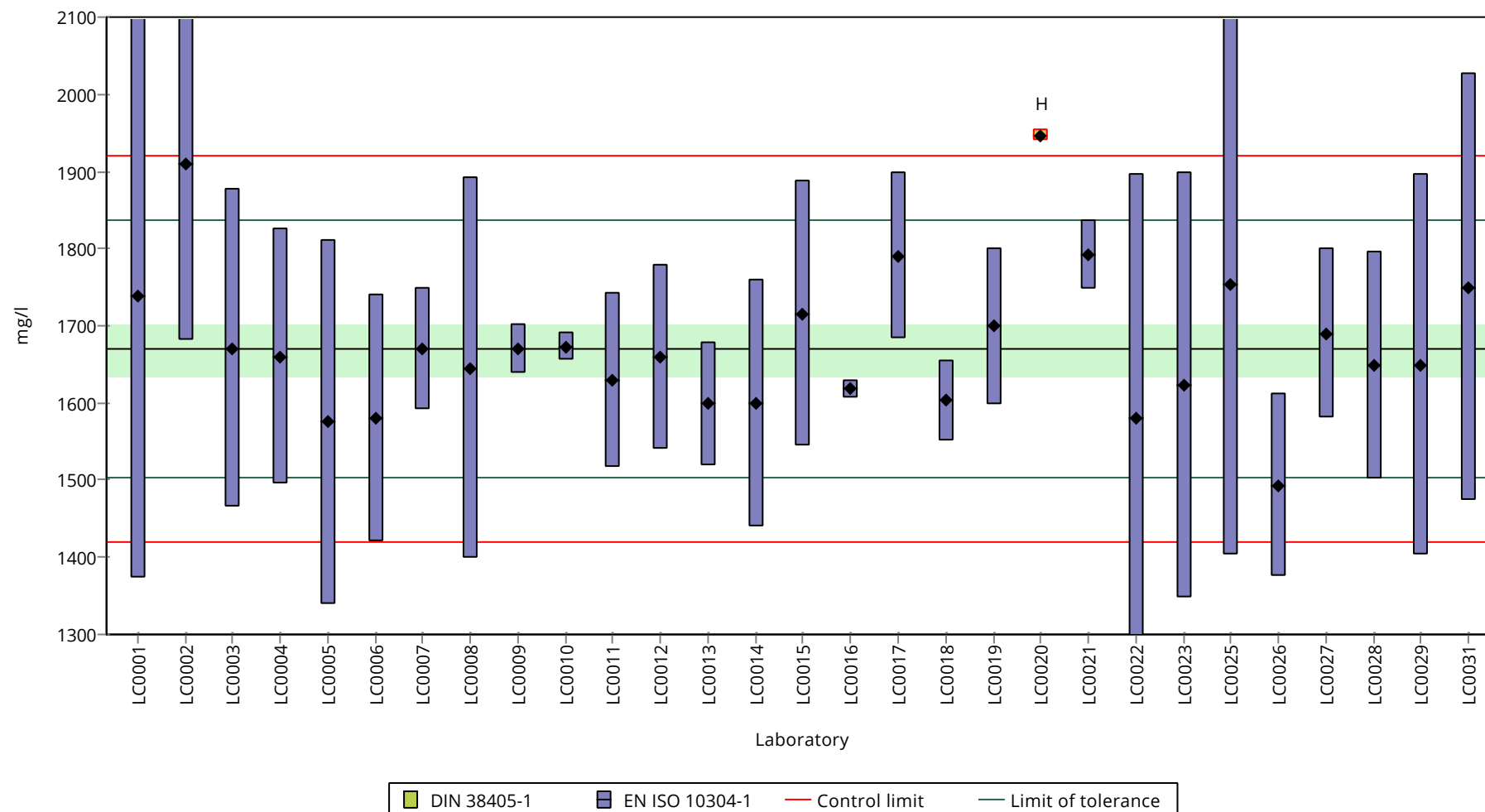
Parameter oriented report Waste acc to landfill
directive (eluate ions) - AB18

Sample: AB18, Parameter: Chloride

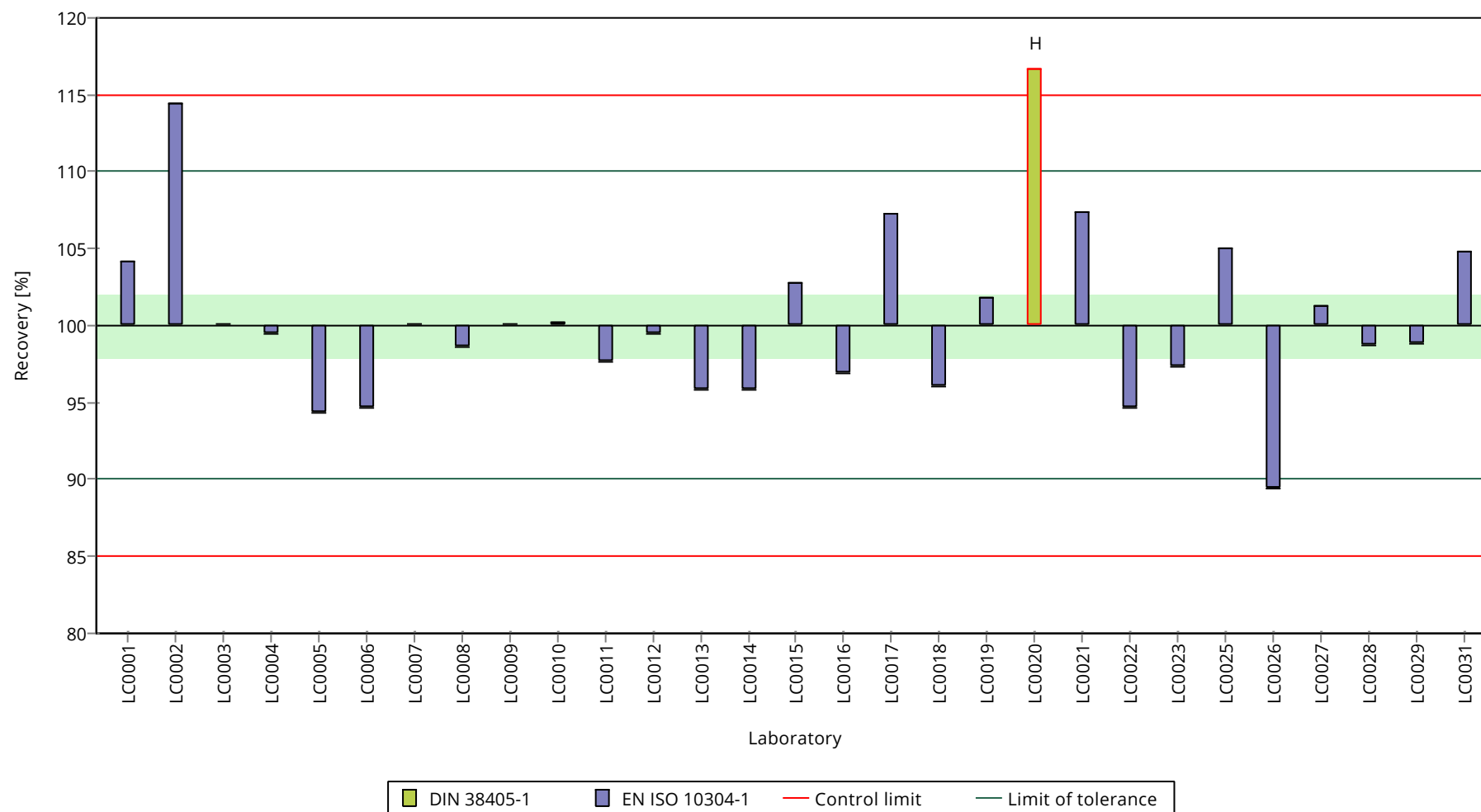
Characteristics of parameter			
	all results	without outliers	Unit
Mean ± CI (99%)	1680 ± 54	1670 ± 47.2	mg/l
Minimum	1490	1490	mg/l
Maximum	1950	1910	mg/l
Standard deviation	96.9	83.3	mg/l
rel. standard deviation	5.78	4.99	%
n	29	28	-

Graphical presentation of results

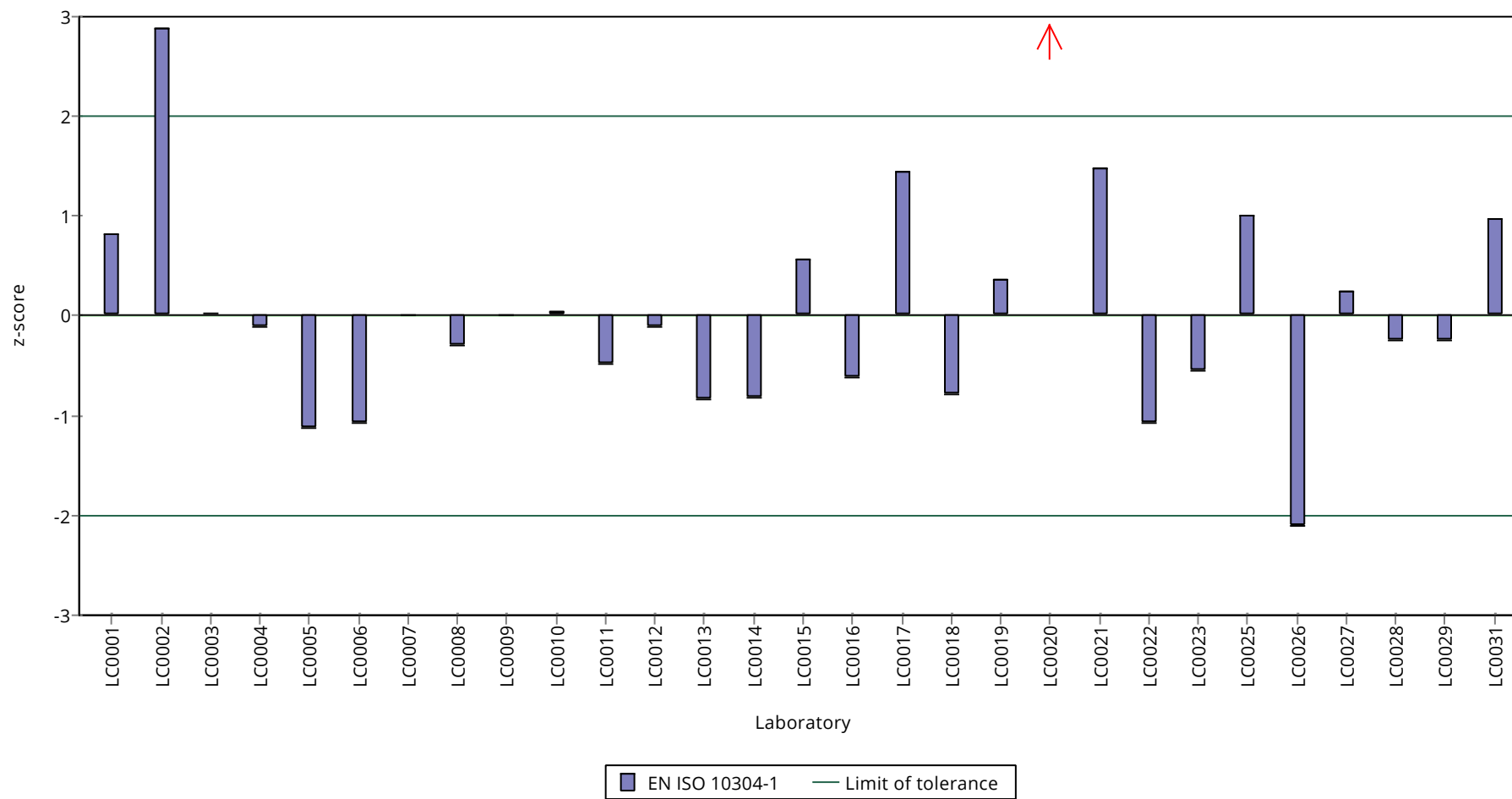
Results



Recovery rate



z-Score



Parameter oriented report Waste acc to landfill
directive (eluate ions) - AB18

Sample: AB18, Parameter: El. conductivity (25°C)

Parameter oriented report

AB18

El. conductivity (25°C)

Unit mS/m
Assigned value $\pm U$ (k=2) 751 ± 4.32
Criterion 15 (2 %)
Minimum - Maximum 727 - 779
Control test value $\pm U$ (k=2) 766 ± 15.3

Labcode	Result $\pm U$	Recovery [%]	z-Score	Comments
LC0001	759 $\pm$ 18.2	101	0.55	
LC0002	754 $\pm$ 38	100	0.21	
LC0003	759 $\pm$ 13.89	101	0.55	
LC0004	758 $\pm$ 75.8	101	0.48	
LC0005	710.5 $\pm$ 71	94.6	-2.68	H
LC0006	733 $\pm$ 73	97.6	-1.19	
LC0007	732.5 $\pm$ 20	97.6	-1.22	
LC0008	817.09 $\pm$ 81.709	109	4.41	H
LC0009	750 $\pm$ 21.8	99.9	-0.05	
LC0010	743 $\pm$ 3.27	99	-0.52	
LC0011	757 $\pm$ 16	101	0.41	
LC0012	761 $\pm$ 43	101	0.68	
LC0013	760 $\pm$ 15.2	101	0.61	
LC0014	752 $\pm$ 38	100	0.08	
LC0015	753 $\pm$ 37.7	100	0.15	
LC0016	557 $\pm$ 0.0001	74.2	-12.91	H
LC0017	751 $\pm$ 150	100	0.01	
LC0018	792.8 $\pm$ 23.784	106	2.8	H
LC0019	779 $\pm$ 7.8	104	1.88	
LC0020	766 $\pm$ 0.26458	102	1.01	
LC0021	743.6 $\pm$ 3.94	99	-0.48	
LC0022	753 $\pm$ 75.3	100	0.15	
LC0023	740 $\pm$ 88.8	98.6	-0.72	
LC0024	756 $\pm$ 75.6	101	0.35	
LC0025	727 $\pm$ 51	96.8	-1.58	
LC0026	758.5 $\pm$ 83.4	101	0.51	
LC0027	748 $\pm$ 22	99.6	-0.19	
LC0028	735.4 $\pm$ 0.294	97.9	-1.03	
LC0029	747 $\pm$ 22.4	99.5	-0.25	
LC0030	747.91 $\pm$ 15	99.6	-0.19	
LC0031	747.7 $\pm$ 20.9	99.6	-0.21	

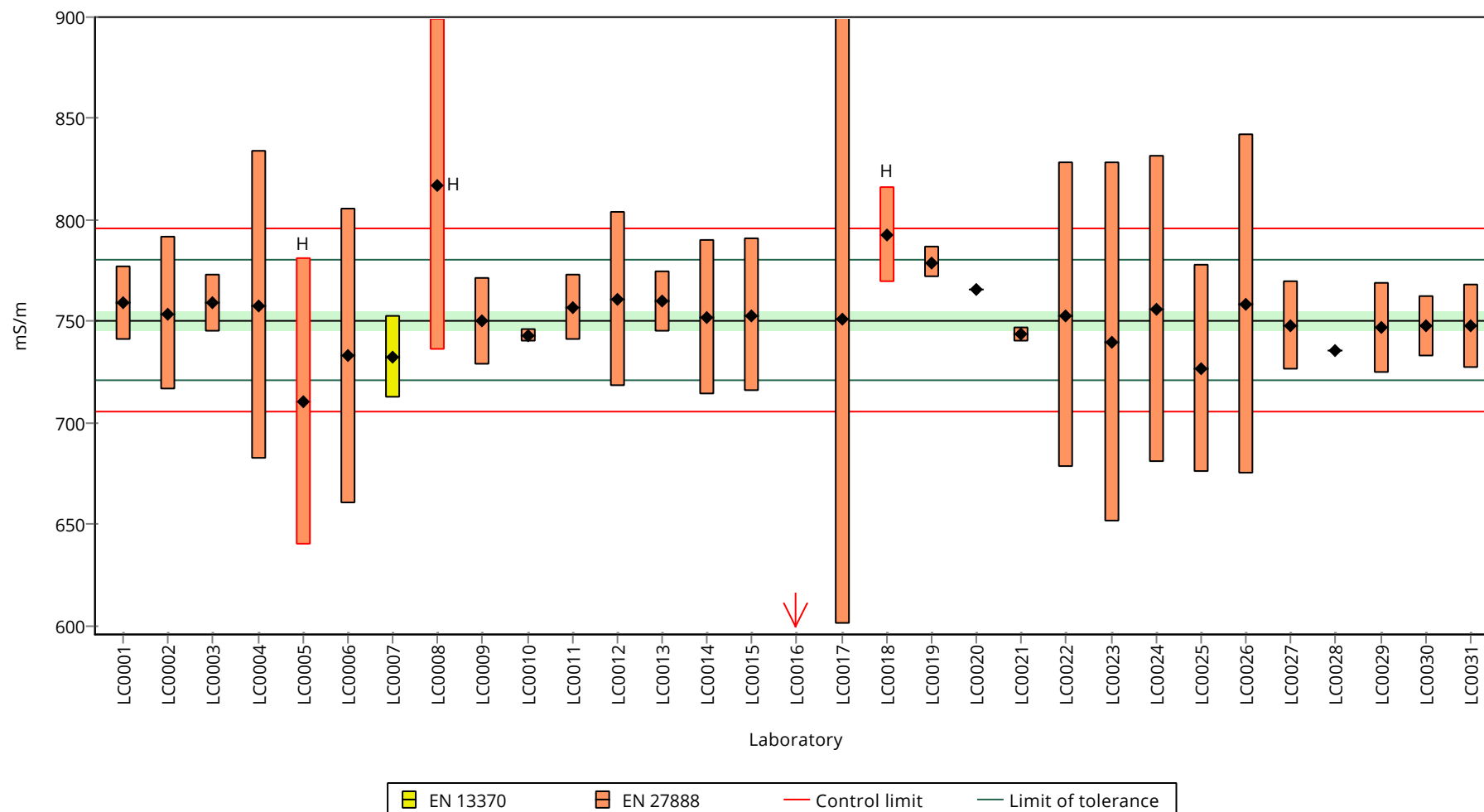
Parameter oriented report Waste acc to landfill
directive (eluate ions) - AB18

Sample: AB18, Parameter: El. conductivity (25°C)

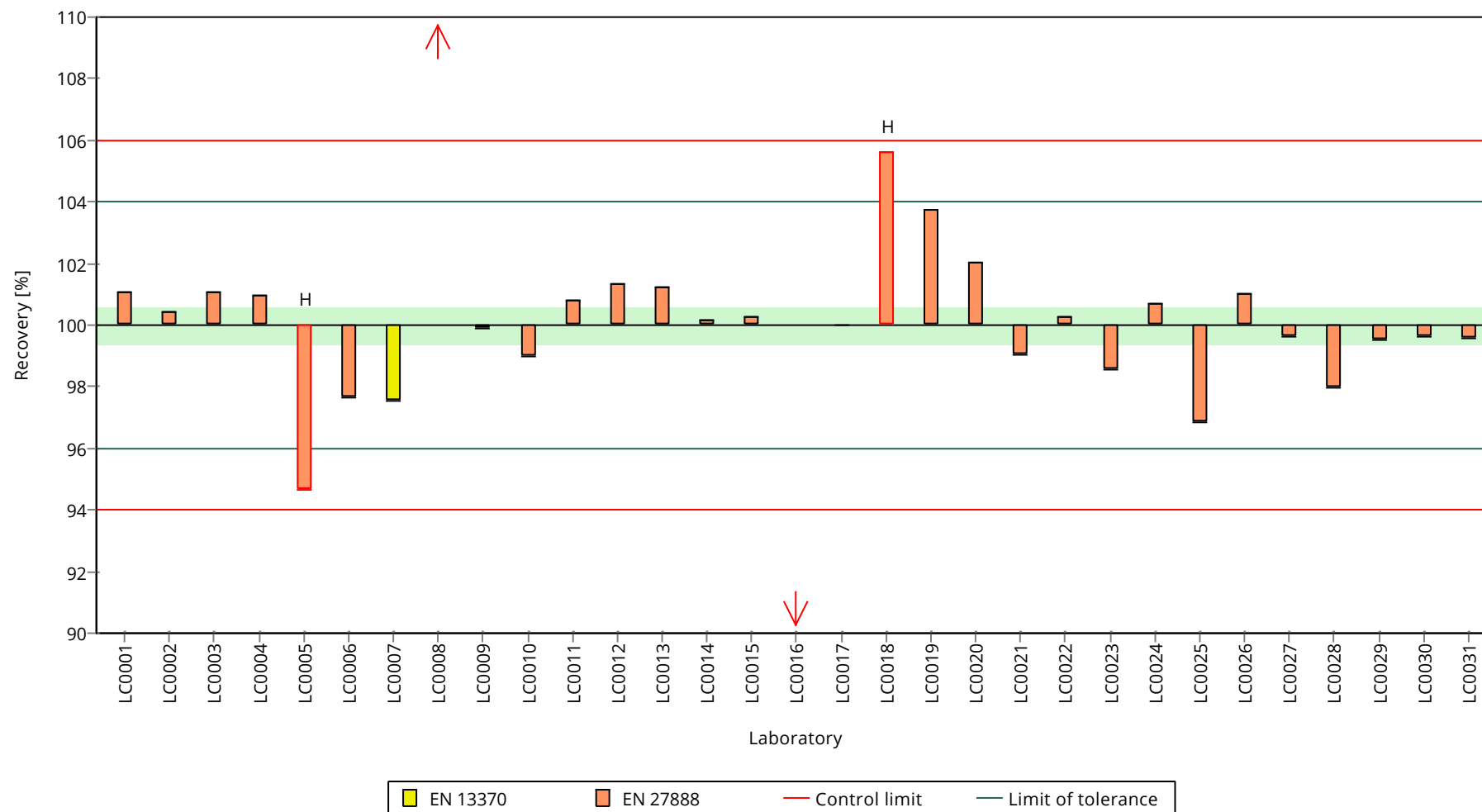
Characteristics of parameter			
	all results	without outliers	Unit
Mean ± CI (99%)	747 ± 21.6	751 ± 6.48	mS/m
Minimum	557	727	mS/m
Maximum	817	779	mS/m
Standard deviation	40	11.2	mS/m
rel. standard deviation	5.36	1.49	%
n	31	27	-

Graphical presentation of results

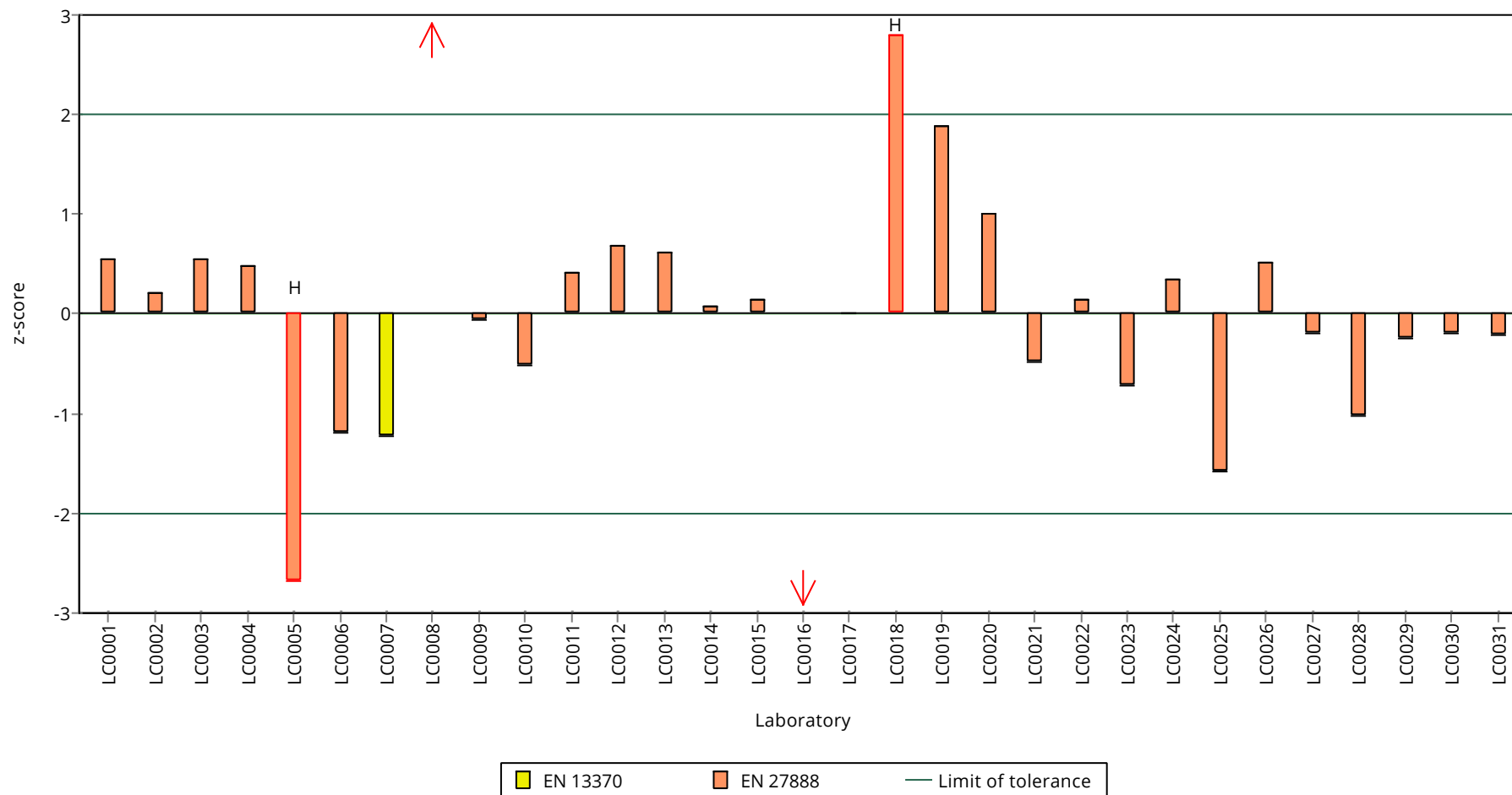
Results



Recovery rate



z-Score



Parameter oriented report Waste acc to landfill
directive (eluate ions) - AB18

Sample: AB18, Parameter: Evaporation residue

Parameter oriented report

AB18

Evaporation residue

Unit mg/l
Assigned value $\pm U$ (k=2) 5840 $\pm$ 122
Criterion 584 (10 %)
Minimum - Maximum 5390 - 6340
Control test value $\pm U$ (k=2) 6000 $\pm$ 60

Labcode	Result $\pm U$	Recovery [%]	z-Score	Comments
LC0001	6054 $\pm$ 354	104	0.36	
LC0002	6050 $\pm$ 605	104	0.35	
LC0003	6342 $\pm$ 0.888	109	0.85	
LC0004	5498 $\pm$ 549.8	94.1	-0.59	
LC0005	5611 $\pm$ 561	96	-0.4	
LC0006	5560 $\pm$ 560	95.2	-0.48	
LC0007	6097 $\pm$ 50	104	0.44	
LC0008	5891 $\pm$ 1472.75	101	0.08	
LC0009	5548 $\pm$ 405	95	-0.5	
LC0010	5701 $\pm$ 245	97.6	-0.24	
LC0011	6299 $\pm$ 721	108	0.78	
LC0012	5490 $\pm$ 230	94	-0.6	
LC0013	6274 $\pm$ 565	107	0.74	
LC0014	3000 $\pm$ 450	51.3	-4.87	H
LC0015	- $\pm$ -	-	-	
LC0016	5500.5 $\pm$ 10.607	94.1	-0.59	
LC0017	6300 $\pm$ 315	108	0.78	
LC0018	5976 $\pm$ 1912.32	102	0.23	
LC0019	5700 $\pm$ 340	97.6	-0.24	
LC0020	5777 $\pm$ 8.98146	98.9	-0.11	
LC0021	5581 $\pm$ 215	95.5	-0.45	
LC0022	6000 $\pm$ 1800	103	0.27	
LC0023	5819.5 $\pm$ 1163.9	99.6	-0.04	
LC0024	5572 $\pm$ 1114	95.4	-0.46	
LC0025	6112 $\pm$ 917	105	0.46	
LC0026	5392 $\pm$ 701	92.3	-0.77	
LC0027	3140 $\pm$ 450	53.7	-4.63	H
LC0028	6111 $\pm$ 244	105	0.46	
LC0029	5569 $\pm$ 835	95.3	-0.47	
LC0030	- $\pm$ -	-	-	
LC0031	5532 $\pm$ 550	94.7	-0.53	

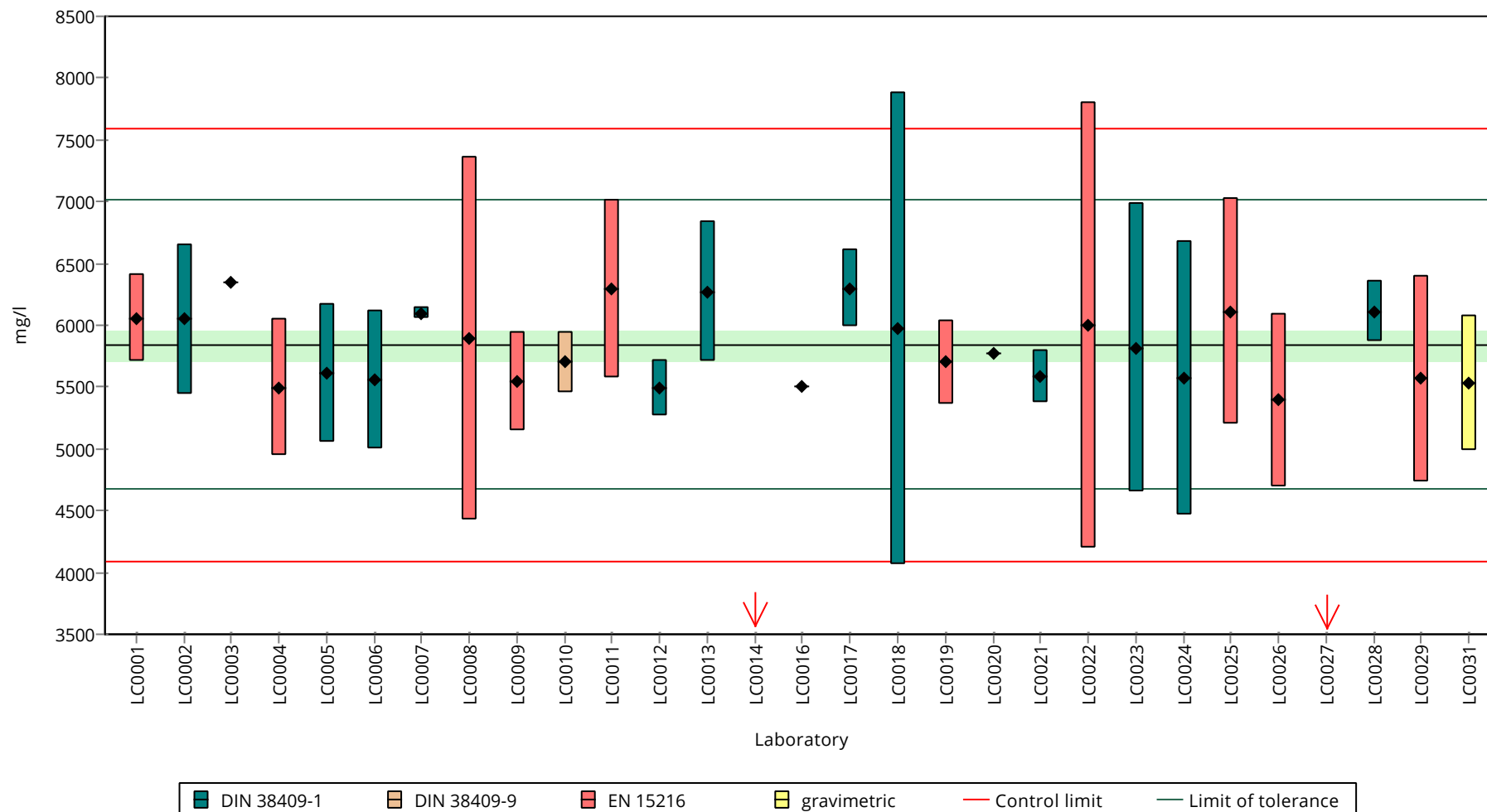
Parameter oriented report Waste acc to landfill
directive (eluate ions) - AB18

Sample: AB18, Parameter: Evaporation residue

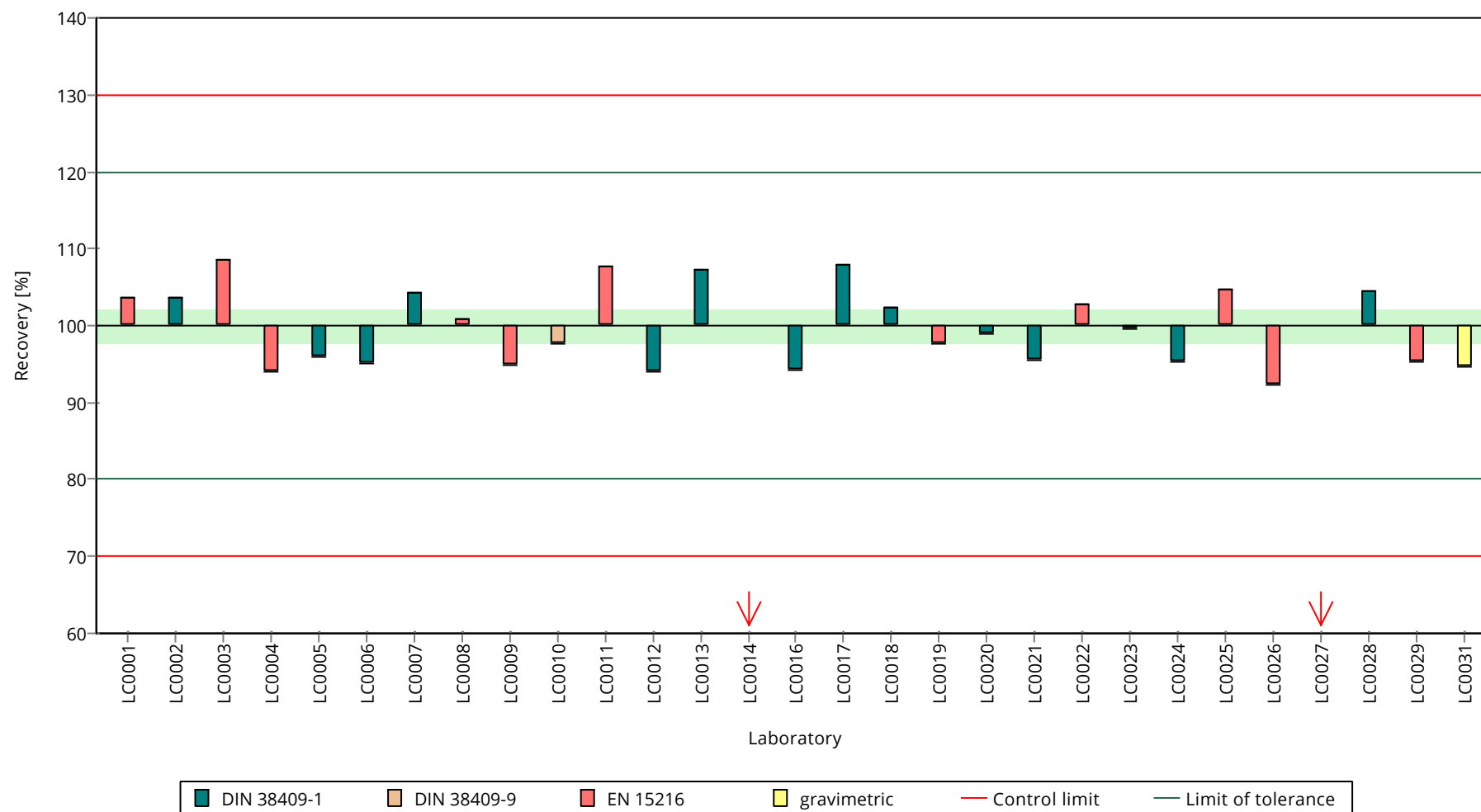
Characteristics of parameter			
	all results	without outliers	Unit
Mean ± CI (99%)	5640 ± 428	5830 ± 173	mg/l
Minimum	3000	5390	mg/l
Maximum	6340	6340	mg/l
Standard deviation	768	299	mg/l
rel. standard deviation	13.6	5.14	%
n	29	27	-

Graphical presentation of results

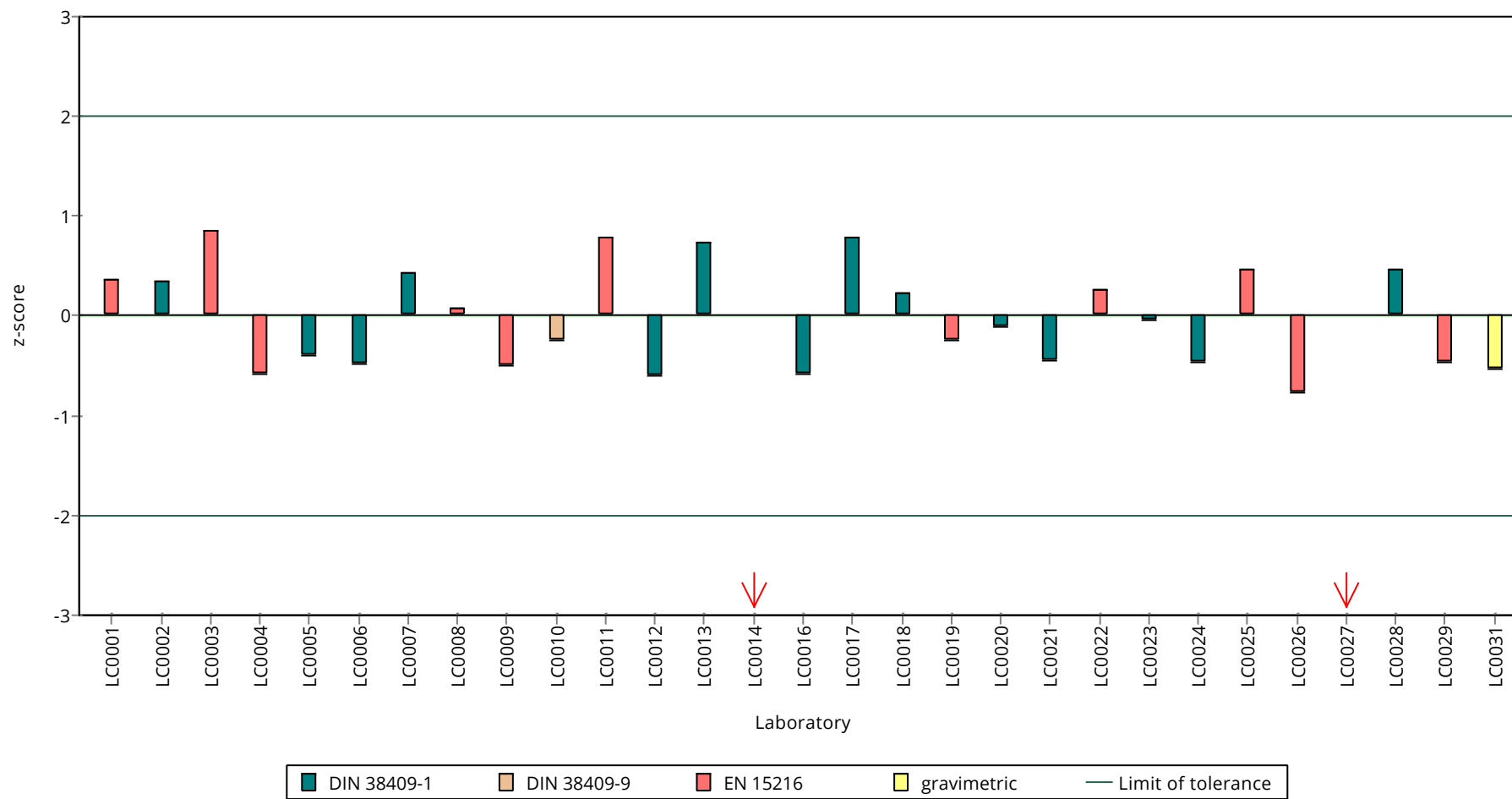
Results



Recovery rate



z-Score



Parameter oriented report Waste acc to landfill
directive (eluate ions) - AB18

Sample: AB18, Parameter: Fluoride

Parameter oriented report

AB18

Fluoride

Unit mg/l
Assigned value $\pm$ U (k=2) 0.355 ± 0.0246
Criterion 0.0675 (19 %)
Minimum - Maximum $0.195 - 0.523$
Control test value $\pm$ U (k=2) 0.455 ± 0.0364

Labcode	Result $\pm$ U	Recovery [%]	z-Score	Comments
LC0001	0.35 ± 0.051	98.5	-0.08	
LC0002	< 0.5 (LOQ) $\pm$ -	-	-	
LC0003	0.372 ± 0.031	105	0.25	
LC0004	0.389 ± 0.078	109	0.5	
LC0005	0.362 ± 0.0543	102	0.1	
LC0006	0.233 ± 0.023	65.6	-1.81	
LC0007	< 1 (LOQ) $\pm$ -	-	-	
LC0008	0.4043 ± 0.06064	114	0.72	
LC0009	0.383 ± 0.0172	108	0.41	
LC0010	0.13 ± 0.002	36.6	-3.34	H
LC0011	0.397 ± 0.04	112	0.62	
LC0012	0.13 ± 0.011	36.6	-3.34	H
LC0013	0.37 ± 0.034	104	0.22	
LC0014	0.347 ± 0.035	97.6	-0.12	
LC0015	0.343 ± 0.0686	96.5	-0.18	
LC0016	0.195 ± 0.0071	54.9	-2.38	
LC0017	< 0.5 (LOQ) $\pm$ -	-	-	
LC0018	0.32 ± 0.02	90	-0.52	
LC0019	0.523 ± 0.034	147	2.48	
LC0020	0.3 ± 0.008	84.4	-0.82	
LC0021	0.69 ± 0.03	194	4.95	H
LC0022	0.289 ± 0.06	81.3	-0.98	
LC0023	0.312 ± 0.06	87.8	-0.64	
LC0024	- $\pm$ -	-	-	
LC0025	0.321 ± 0.067	90.3	-0.51	
LC0026	0.374 ± 0.0561	105	0.28	
LC0027	0.378 ± 0.025	106	0.33	
LC0028	0.352 ± 0.032	99	-0.05	
LC0029	0.41 ± 0.082	115	0.81	
LC0030	- $\pm$ -	-	-	
LC0031	0.29 ± 0.04	81.6	-0.97	

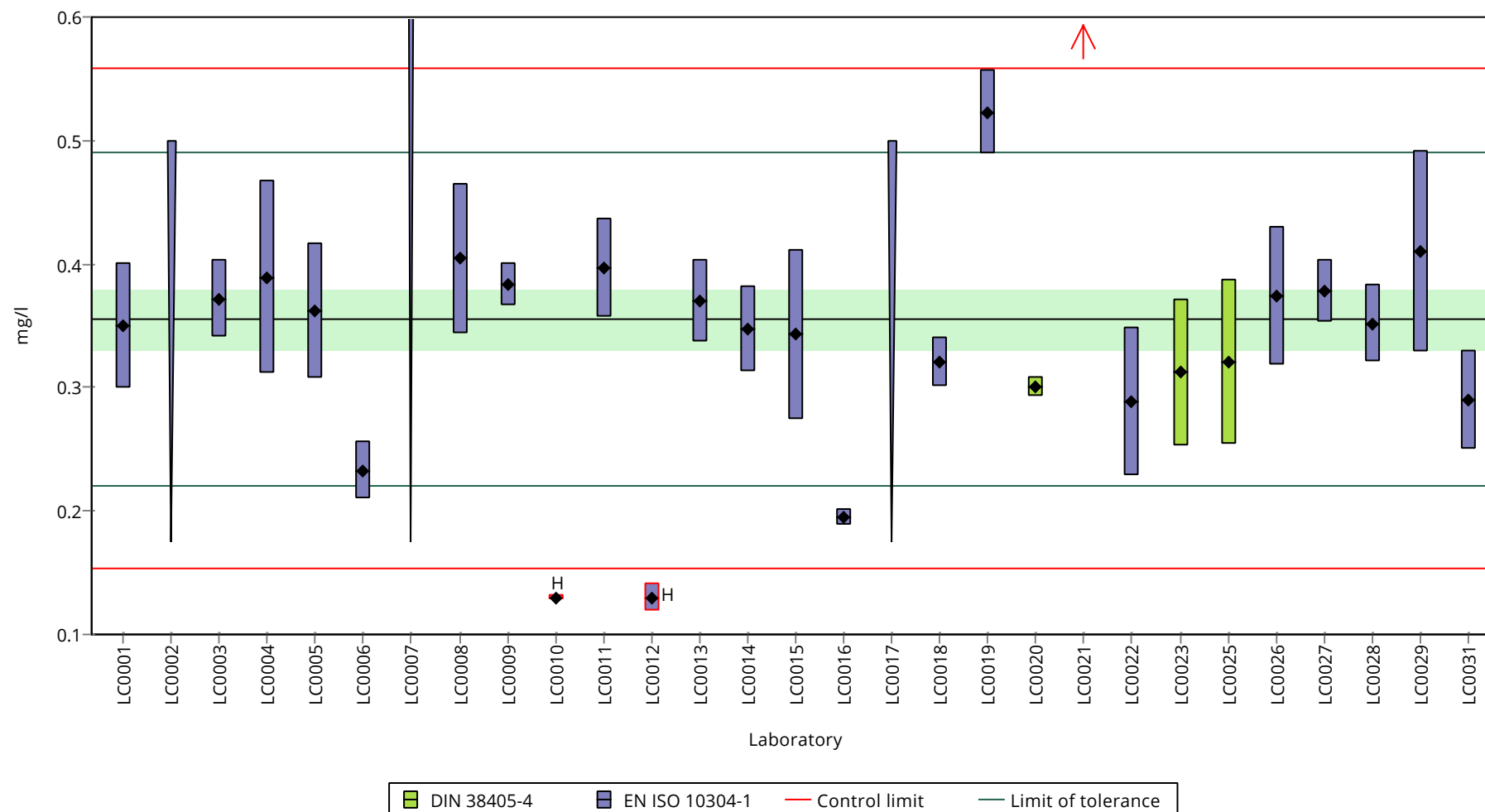
Parameter oriented report Waste acc to landfill
directive (eluate ions) - AB18

Sample: AB18, Parameter: Fluoride

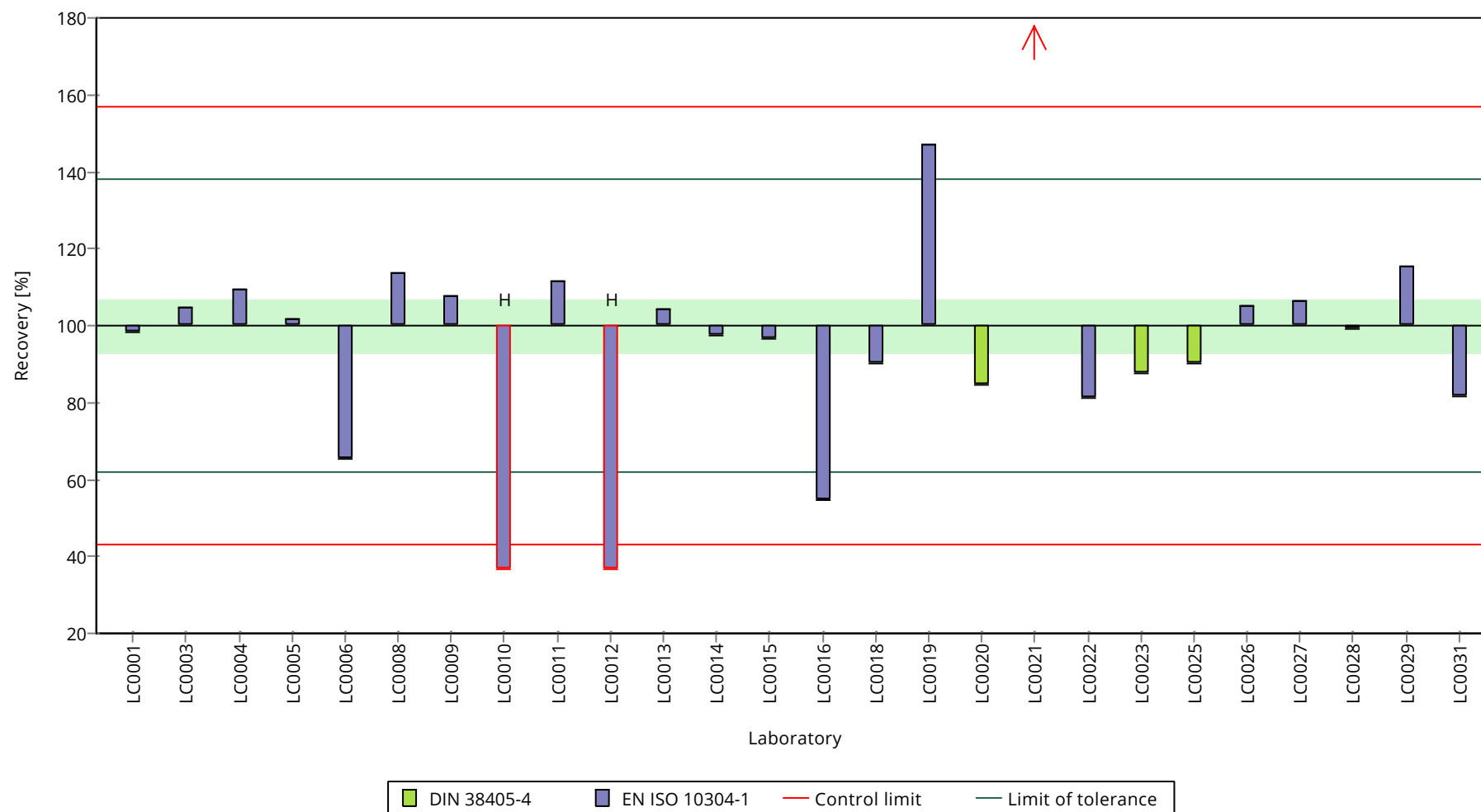
Characteristics of parameter			
	all results	without outliers	Unit
Mean ± CI (99%)	0.345 ± 0.0651	0.348 ± 0.041	mg/l
Minimum	0.13	0.195	mg/l
Maximum	0.69	0.523	mg/l
Standard deviation	0.111	0.0655	mg/l
rel. standard deviation	32.1	18.8	%
n	26	23	-

Graphical presentation of results

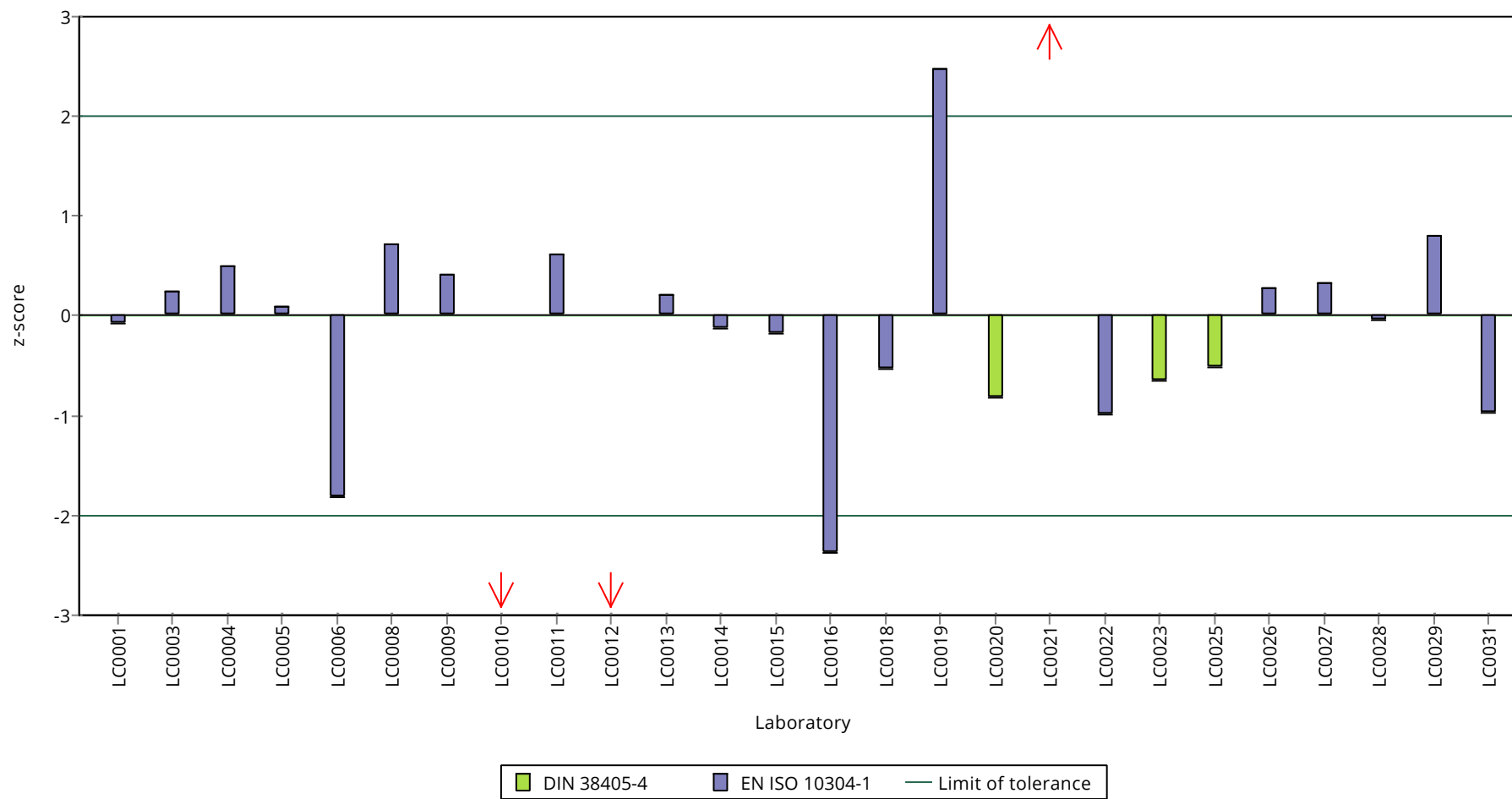
Results



Recovery rate



z-Score



Parameter oriented report Waste acc to landfill
directive (eluate ions) - AB18

Sample: AB18, Parameter: NH4 (as N)

Parameter oriented report

AB18

NH4 (as N)

Unit mg/l
Assigned value $\pm$ U (k=2) 0.337 ± 0.0189
Criterion 0.0472 (14 %)
Minimum - Maximum $0.249 - 0.431$
Control test value $\pm$ U (k=2) 0.345 ± 0.0207

Labcode	Result $\pm$ U	Recovery [%]	z-Score	Comments
LC0001	0.43 ± 0.052	128	1.97	
LC0002	0.346 ± 0.069	103	0.19	
LC0003	0.249 ± 0.026	73.9	-1.86	
LC0004	0.341 ± 0.034	101	0.09	
LC0005	0.334 ± 0.0334	99.1	-0.06	
LC0006	0.362 ± 0.036	107	0.53	
LC0007	0.353 ± 0.05	105	0.34	
LC0008	0.343 ± 0.08575	102	0.13	
LC0009	0.359 ± 0.0253	107	0.47	
LC0010	0.571 ± 0.035	169	4.96	H
LC0011	0.343 ± 0.09	102	0.13	
LC0012	0.316 ± 0.023	93.8	-0.44	
LC0013	0.4 ± 0.043	119	1.34	
LC0014	0.34 ± 0.041	101	0.07	
LC0015	- $\pm$ -	-	-	
LC0016	0.0914 ± 0.0006	27.1	-5.21	H
LC0017	0.33 ± 0.066	97.9	-0.15	
LC0018	0.291 ± 0.05238	86.4	-0.97	
LC0019	0.333 ± 0.022	98.8	-0.08	
LC0020	0.274 ± 0.0018	81.3	-1.33	
LC0021	0.324 ± 0.0357	96.2	-0.27	
LC0022	0.468 ± 0.11	139	2.78	H
LC0023	0.288 ± 0.029	85.5	-1.04	
LC0024	0.271 ± 0.0542	80.4	-1.4	
LC0025	- $\pm$ -	-	-	
LC0026	0.431 ± 0.125	128	1.99	
LC0027	0.366 ± 0.05	109	0.62	
LC0028	0.325 ± 0.059	96.5	-0.25	
LC0029	- $\pm$ -	-	-	
LC0030	- $\pm$ -	-	-	
LC0031	- $\pm$ -	-	-	

Parameter oriented report Waste acc to landfill
directive (eluate ions) - AB18

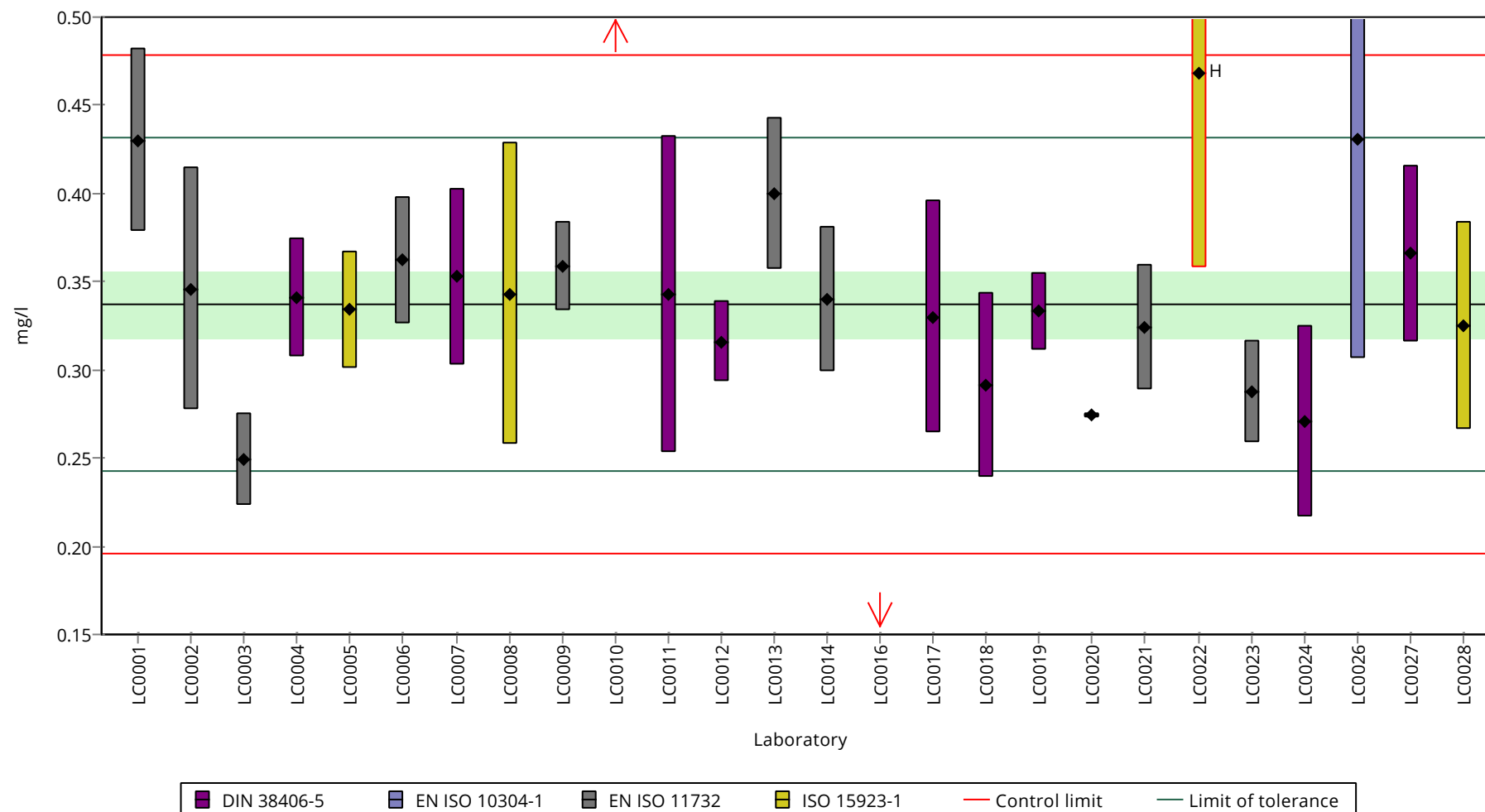
Sample: AB18, Parameter: NH₄ (as N)

Characteristics of parameter

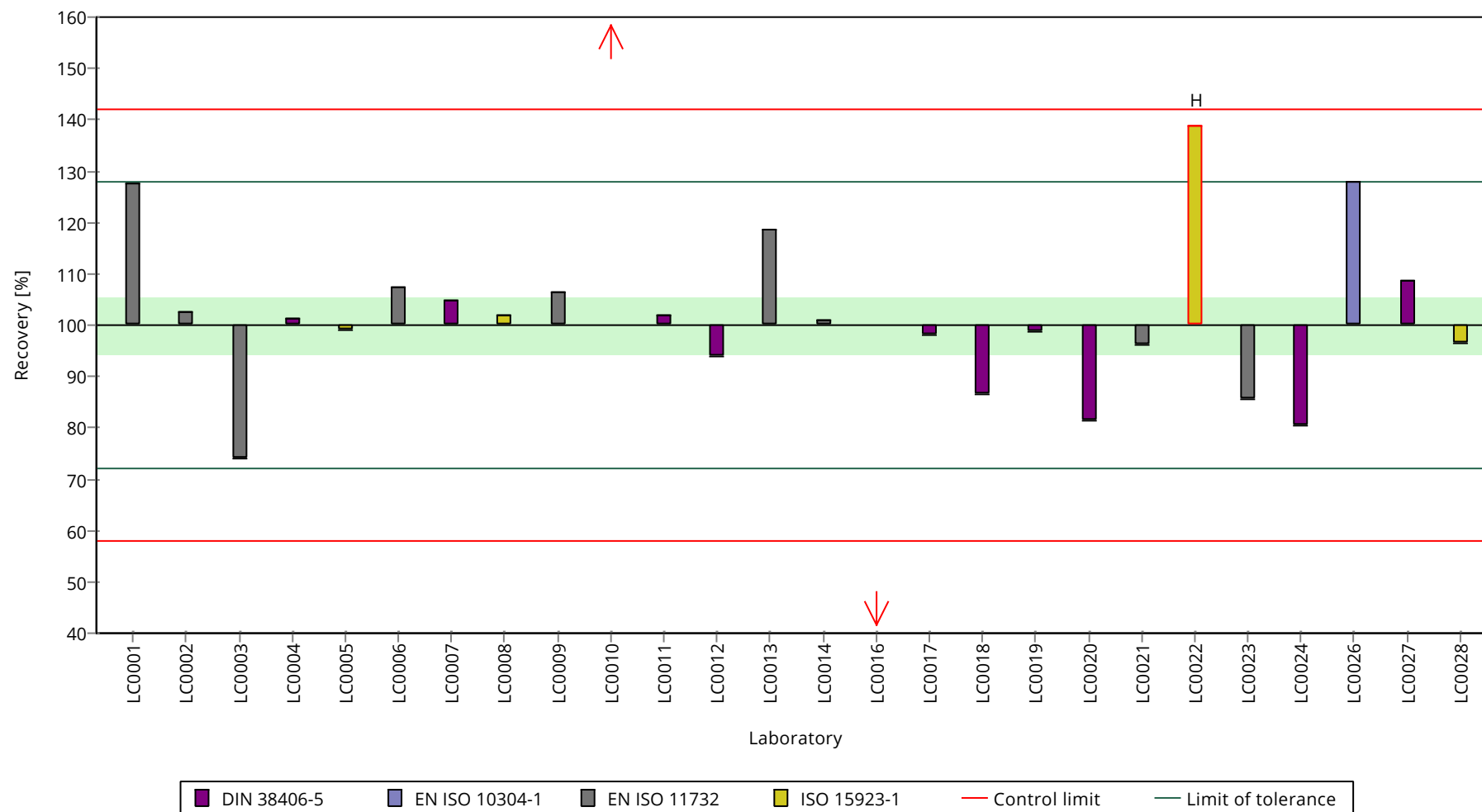
	all results	without outliers	Unit
Mean ± CI (99%)	0.342 ± 0.0495	0.337 ± 0.0284	mg/l
Minimum	0.0914	0.249	mg/l
Maximum	0.571	0.431	mg/l
Standard deviation	0.0841	0.0454	mg/l
rel. standard deviation	24.6	13.5	%
n	26	23	-

Graphical presentation of results

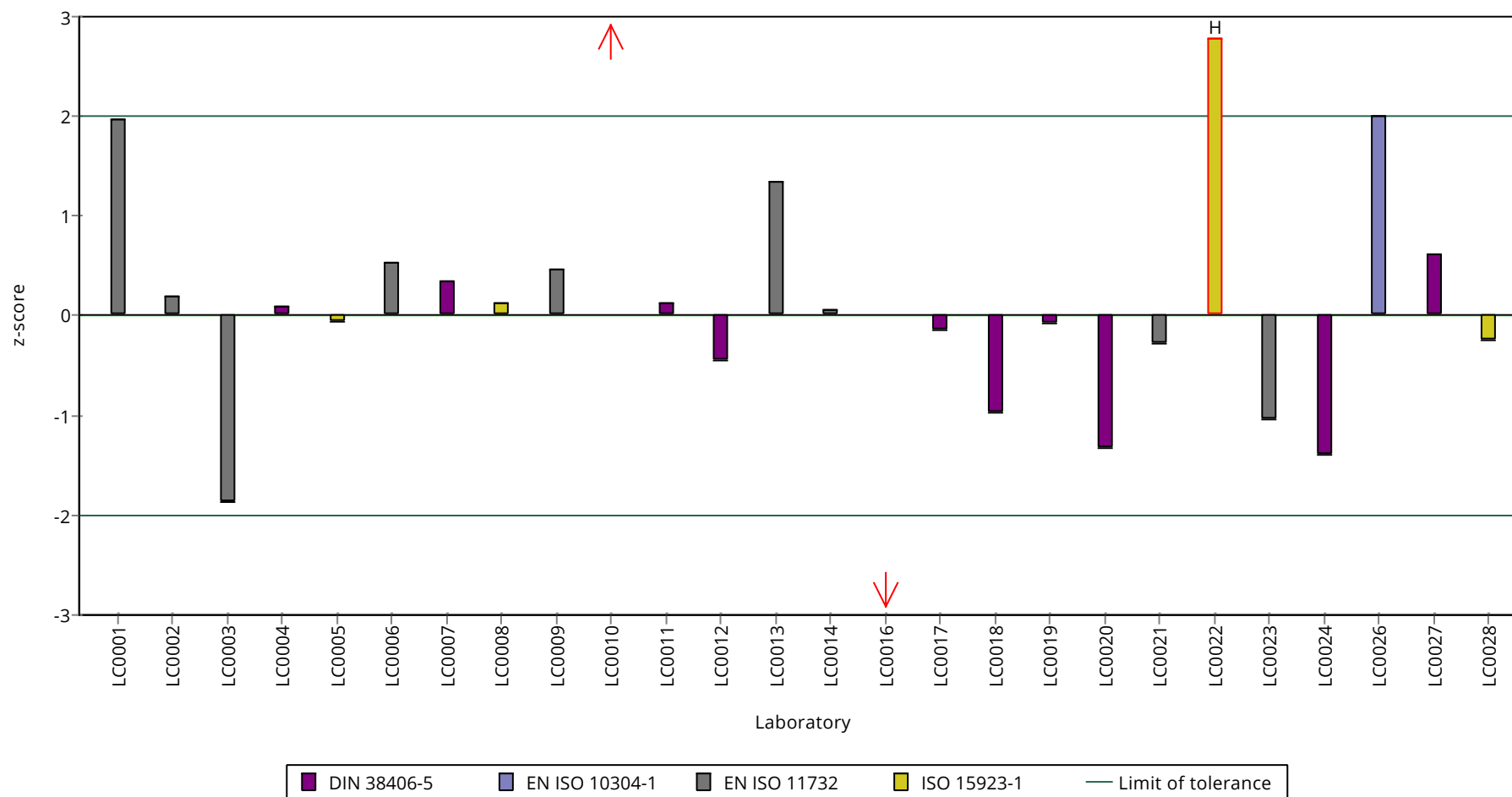
Results



Recovery rate



z-Score



Parameter oriented report Waste acc to landfill
directive (eluate ions) - AB18

Sample: AB18, Parameter: NO2 (as N)

Parameter oriented report

AB18

NO2 (as N)

Unit mg/l
Assigned value $\pm$ U (k=2) 0.248 ± 0.00825
Criterion 0.0211 (8.5 %)
Minimum - Maximum $0.216 - 0.3$
Control test value $\pm$ U (k=2) 0.221 ± 0.0176

Labcode	Result $\pm$ U	Recovery [%]	z-Score	Comments
LC0001	0.3 ± 0.034	121	2.45	
LC0002	0.288 ± 0.058	116	1.88	
LC0003	0.261 ± 0.032	105	0.6	
LC0004	0.235 ± 0.024	94.6	-0.63	
LC0005	0.254 ± 0.0254	102	0.27	
LC0006	0.239 ± 0.024	96.2	-0.44	
LC0007	< 0.1 (LOQ) $\pm$ -	-	-	FN
LC0008	0.227 ± 0.05675	91.4	-1.01	
LC0009	0.243 ± 0.0152	97.9	-0.25	
LC0010	0.26 ± 0.011	105	0.55	
LC0011	0.216 ± 0.029	87	-1.53	
LC0012	0.168 ± 0.024	67.7	-3.81	H
LC0013	0.25 ± 0.038	101	0.08	
LC0014	0.25 ± 0.038	101	0.08	
LC0015	- $\pm$ -	-	-	
LC0016	0.2964 ± 0.0021	119	2.28	
LC0017	0.25 ± 0.05	101	0.08	
LC0018	0.252 ± 0.051	101	0.17	
LC0019	0.235 ± 0.0047	94.6	-0.63	
LC0020	0.25 ± 0.00408	101	0.08	
LC0021	0.364 ± 0.0112	147	5.48	H
LC0022	0.251 ± 0.049	101	0.13	
LC0023	0.219 ± 0.05	88.2	-1.39	
LC0024	- $\pm$ -	-	-	
LC0025	0.249 ± 0.05	100	0.03	
LC0026	0.26 ± 0.0546	105	0.55	
LC0027	0.235 ± 0.04	94.6	-0.63	
LC0028	0.252 ± 0.045	101	0.17	
LC0029	- $\pm$ -	-	-	
LC0030	- $\pm$ -	-	-	
LC0031	0.238 ± 0.041	95.8	-0.49	

Parameter oriented report Waste acc to landfill
directive (eluate ions) - AB18

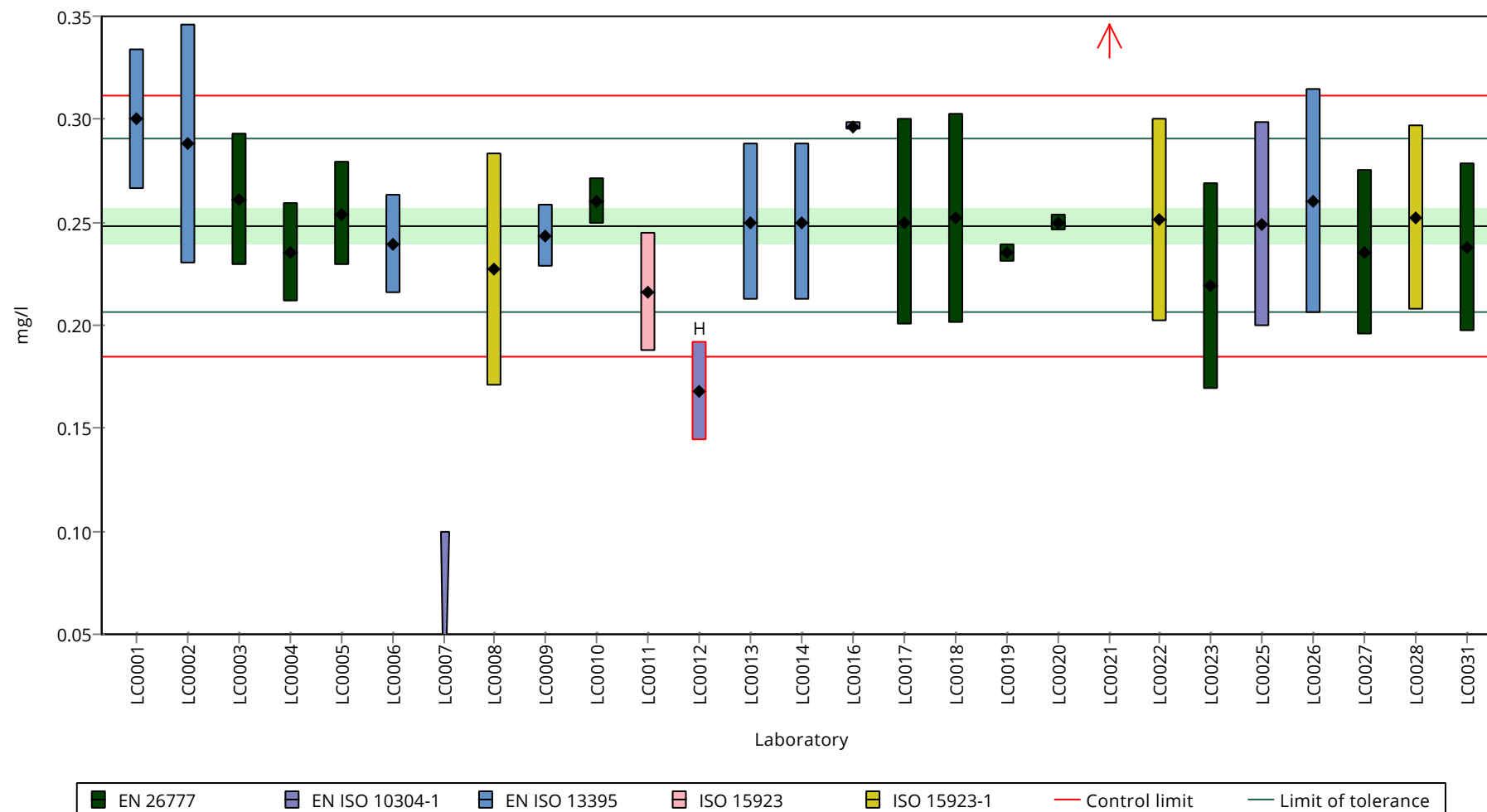
Sample: AB18, Parameter: NO₂ (as N)

Characteristics of parameter

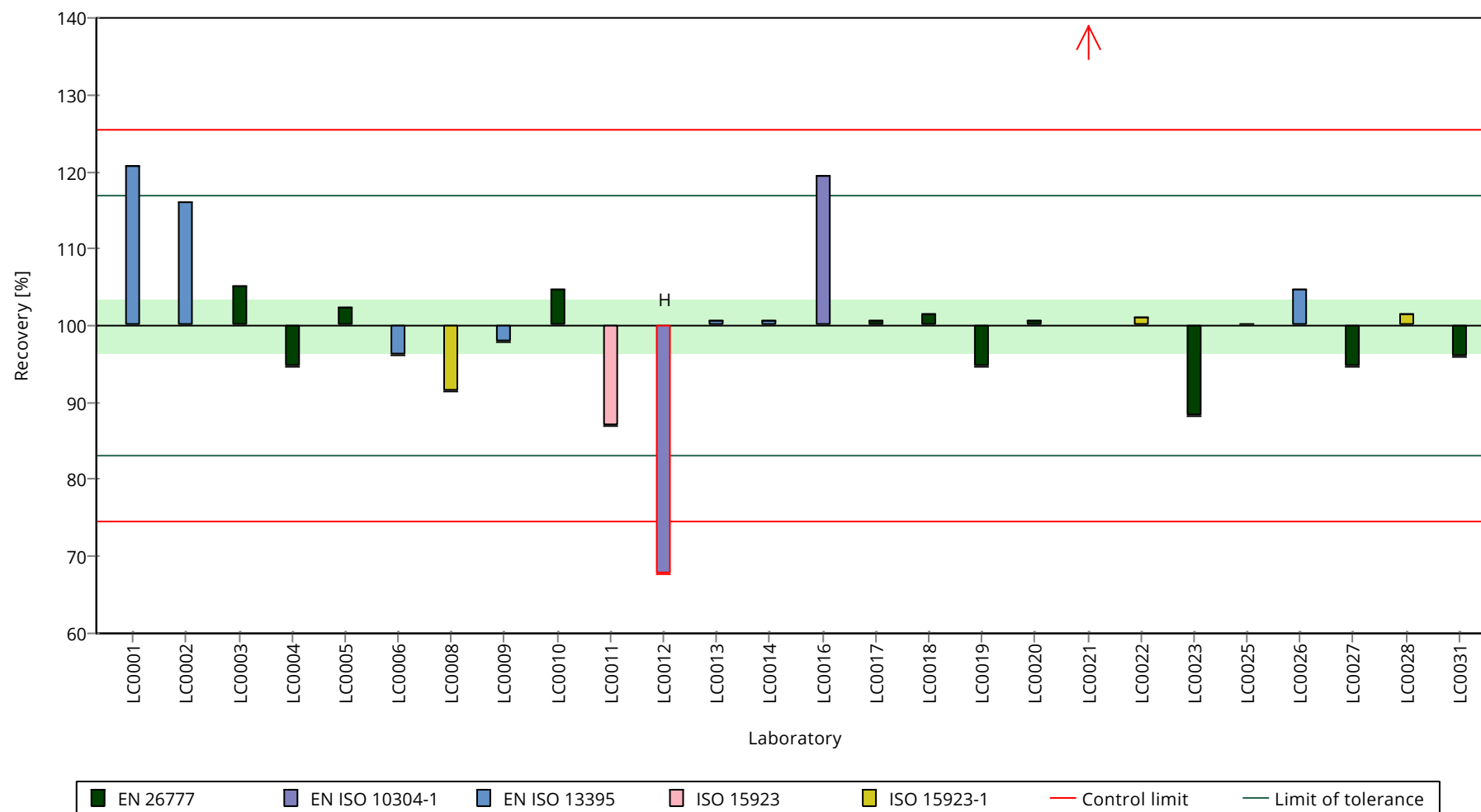
	all results	without outliers	Unit
Mean ± CI (99%)	0.252 ± 0.0203	0.25 ± 0.0128	mg/l
Minimum	0.168	0.216	mg/l
Maximum	0.364	0.3	mg/l
Standard deviation	0.0345	0.0209	mg/l
rel. standard deviation	13.7	8.36	%
n	26	24	-

Graphical presentation of results

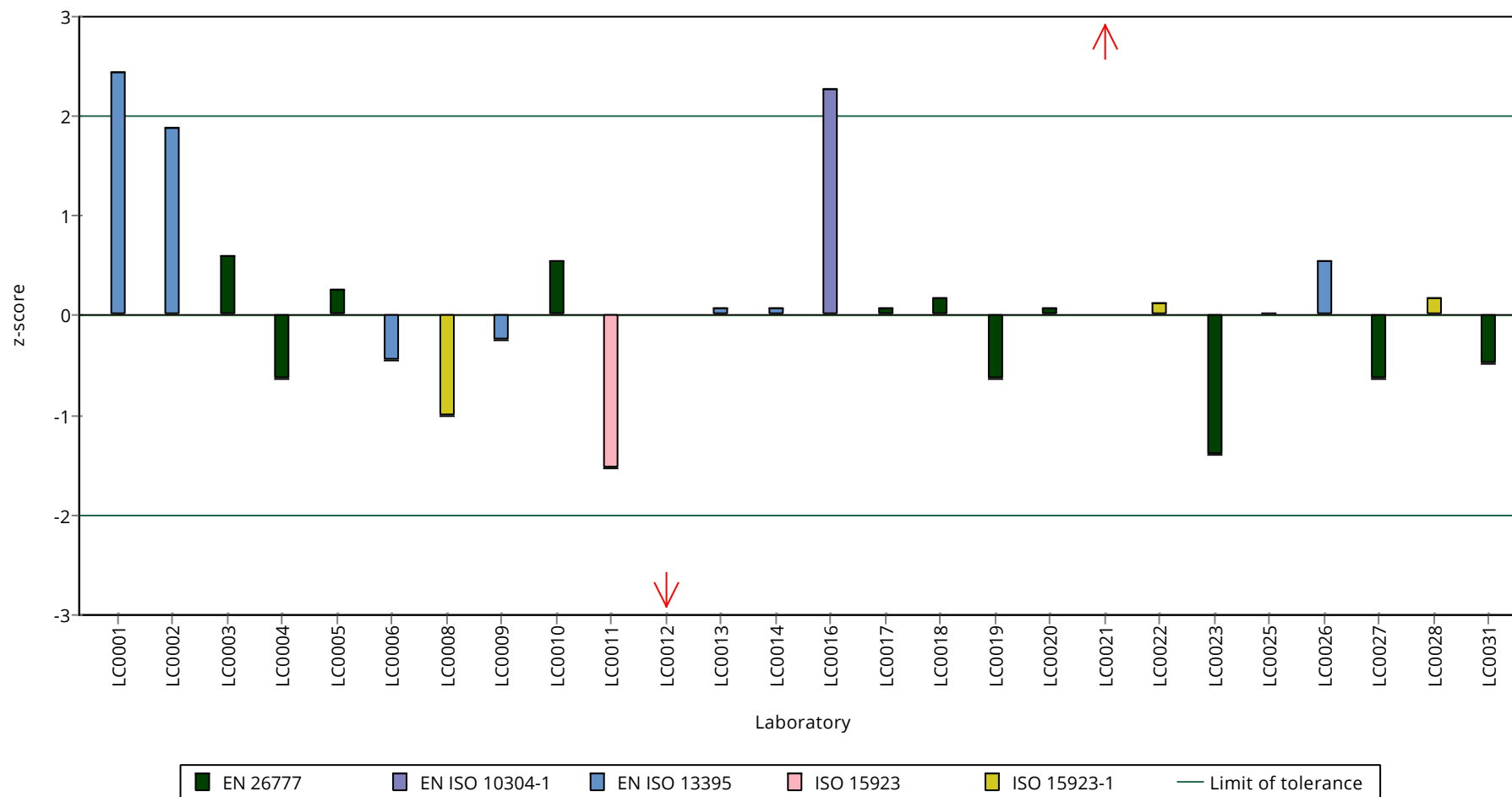
Results



Recovery rate



z-Score



Parameter oriented report Waste acc to landfill
directive (eluate ions) - AB18

Sample: AB18, Parameter: NO3 (as N)

Parameter oriented report

AB18

NO3 (as N)

Unit mg/l
Assigned value $\pm$ U (k=2) 2.7 ± 0.0881
Criterion 0.216 (8 %)
Minimum - Maximum 2.17 - 3.19
Control test value $\pm$ U (k=2) 2.71 ± 0.0813

Labcode	Result $\pm$ U	Recovery [%]	z-Score	Comments
LC0001	2.51 $\pm$ 0.196	93.1	-0.86	
LC0002	2.58 $\pm$ 0.31	95.7	-0.54	
LC0003	2.89 $\pm$ 0.304	107	0.9	
LC0004	2.63 $\pm$ 0.263	97.6	-0.3	
LC0005	2.75 $\pm$ 0.412	102	0.25	
LC0006	2.76 $\pm$ 0.28	102	0.3	
LC0007	9.002 $\pm$ 0.5	334	29.25	H
LC0008	2.8449 $\pm$ 0.71122	106	0.69	
LC0009	2.765 $\pm$ 0.15	103	0.32	
LC0010	2.69 $\pm$ 0.031	99.8	-0.02	
LC0011	2.71 $\pm$ 0.26	101	0.07	
LC0012	2.67 $\pm$ 0.25	99.1	-0.12	
LC0013	2.67 $\pm$ 0.214	99.1	-0.12	
LC0014	2.7 $\pm$ 0.41	100	0.02	
LC0015	- $\pm$ -	-	-	
LC0016	2.1651 $\pm$ 0.016	80.3	-2.46	
LC0017	2.55 $\pm$ 0.13	94.6	-0.67	
LC0018	2.59 $\pm$ 0.15	96.1	-0.49	
LC0019	3.19 $\pm$ 0.18	118	2.29	
LC0020	3.057 $\pm$ 0.00289	113	1.68	
LC0021	4.82 $\pm$ 0.27	179	9.85	H
LC0022	2.23 $\pm$ 0.45	82.7	-2.16	
LC0023	3.53 $\pm$ 0.46	131	3.87	H
LC0024	- $\pm$ -	-	-	
LC0025	2.837 $\pm$ 0.567	105	0.66	
LC0026	2.66 $\pm$ 0.692	98.7	-0.16	
LC0027	2.78 $\pm$ 0.12	103	0.39	
LC0028	2.66 $\pm$ 0.239	98.7	-0.16	
LC0029	- $\pm$ -	-	-	
LC0030	- $\pm$ -	-	-	
LC0031	2.8 $\pm$ 0.4	104	0.49	

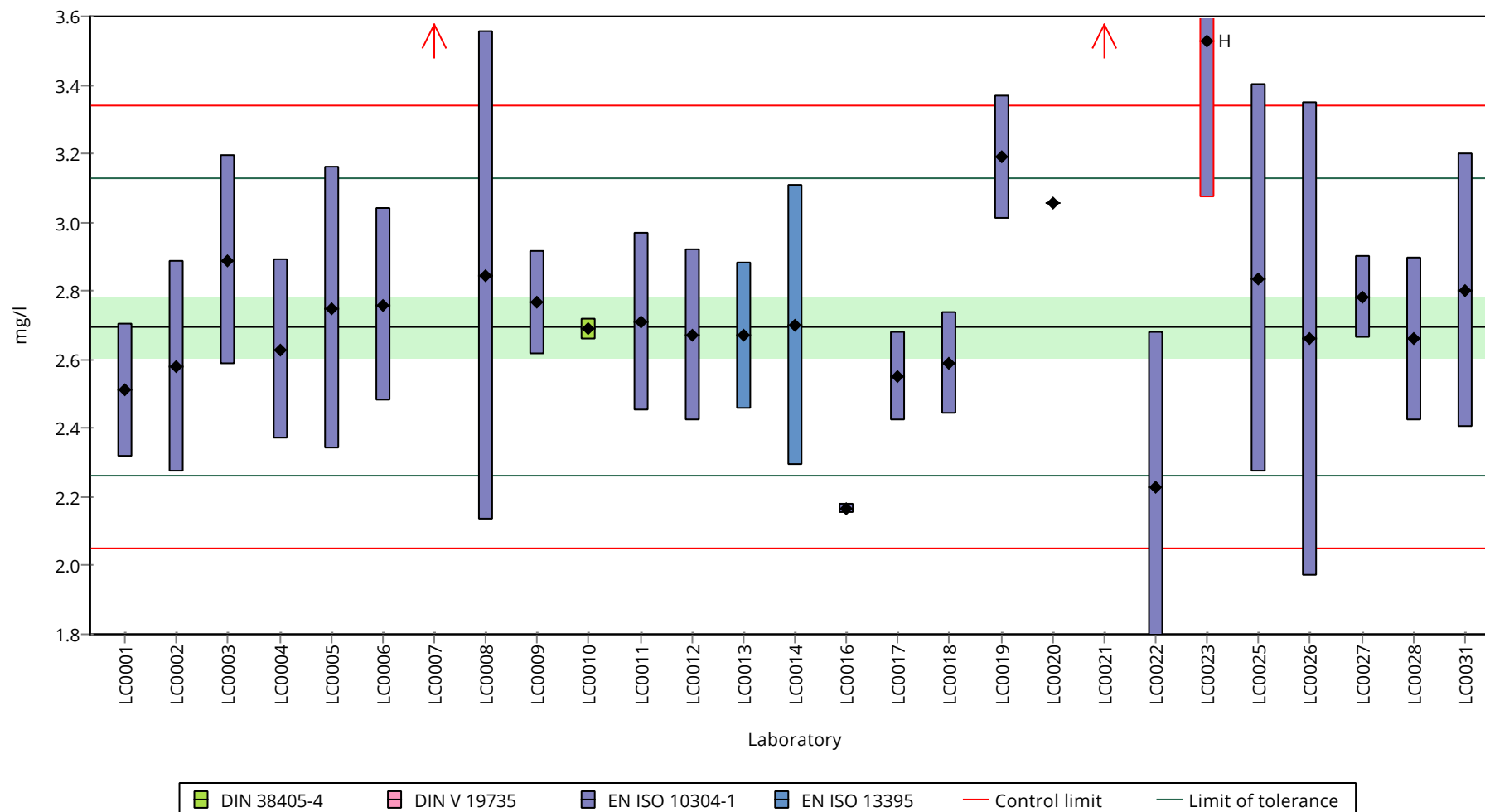
Parameter oriented report Waste acc to landfill
directive (eluate ions) - AB18

Sample: AB18, Parameter: NO3 (as N)

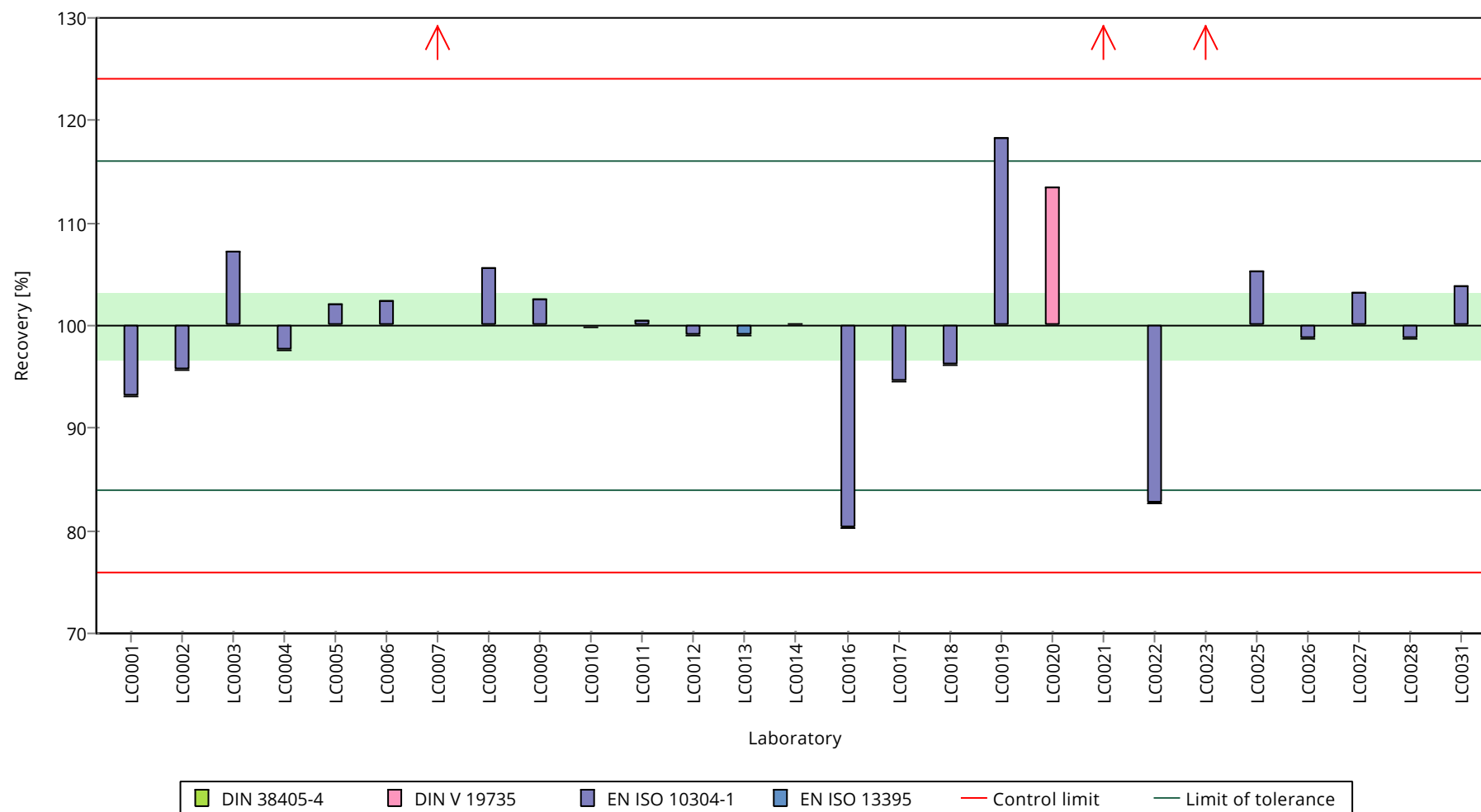
Characteristics of parameter			
	all results	without outliers	Unit
Mean ± CI (99%)	3.04 ± 0.741	2.7 ± 0.132	mg/l
Minimum	2.17	2.17	mg/l
Maximum	9	3.19	mg/l
Standard deviation	1.28	0.216	mg/l
rel. standard deviation	42.3	8.01	%
n	27	24	-

Graphical presentation of results

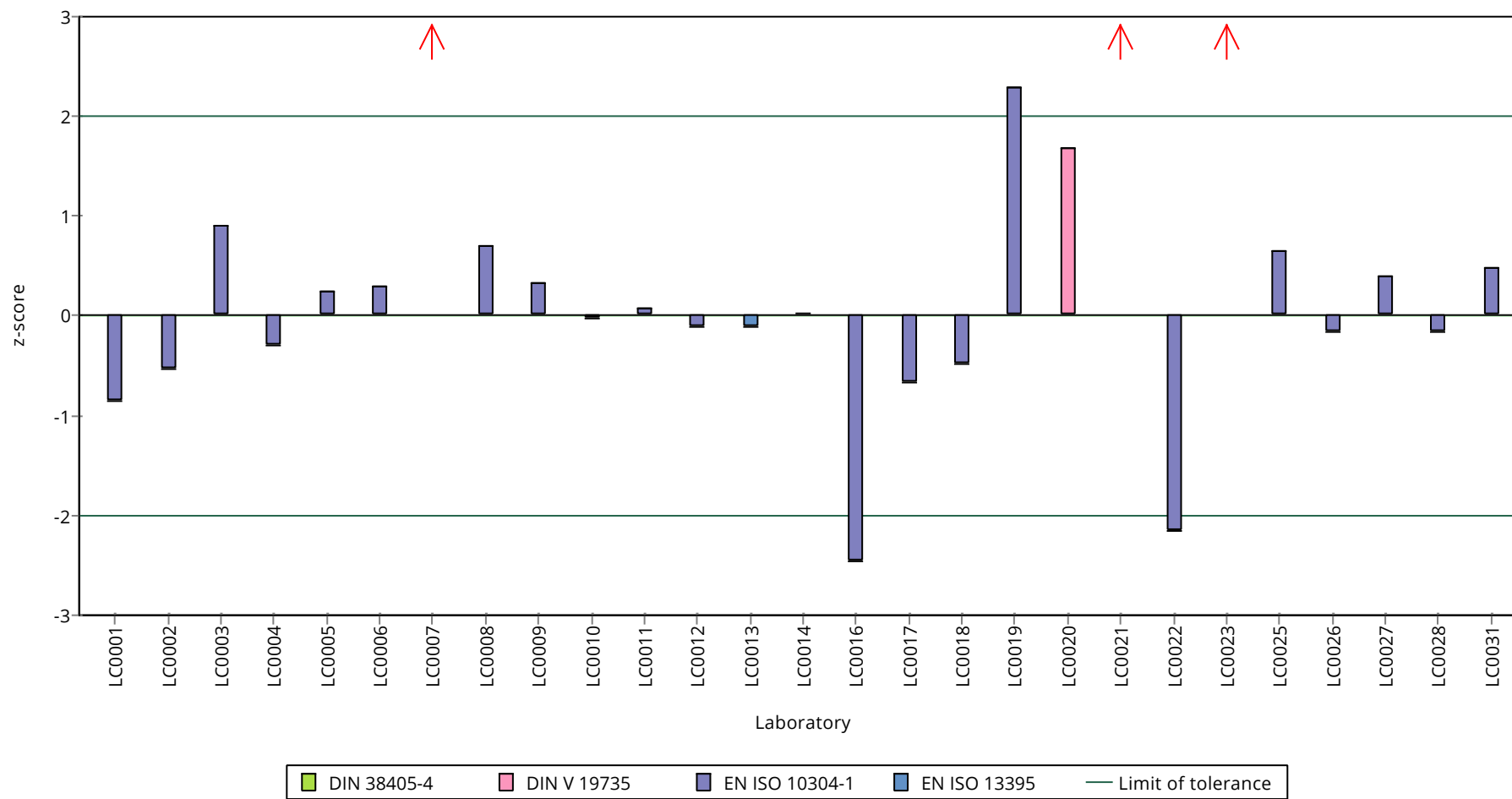
Results



Recovery rate



z-Score



Parameter oriented report Waste acc to landfill
directive (eluate ions) - AB18

Sample: AB18, Parameter: pH-value

Parameter oriented report

AB18

pH-value

Unit

Assigned value $\pm U$ (k=2) 7.02 ± 0.0466

Criterion 0.14 (2 %)

Minimum - Maximum $6.85 - 7.42$

Control test value $\pm U$ (k=2) 7.06 ± 0.05

Labcode	Result $\pm U$	Recovery [%]	z-Score	Comments
LC0001	7.1 ± 0.36	101	0.57	
LC0002	6.95 ± 0.1	99	-0.49	
LC0003	6.85 ± 0.06	97.6	-1.21	
LC0004	7.19 ± 0.0072	102	1.22	
LC0005	7.42 ± 0.05	106	2.85	
LC0006	6.95 ± 0.2	99	-0.49	
LC0007	7.05 ± 0.05	100	0.22	
LC0008	6.89 ± 0.689	98.2	-0.92	
LC0009	6.92 ± 0.15	98.6	-0.71	
LC0010	7.13 ± 0.022	102	0.79	
LC0011	6.99 ± 0.27	99.6	-0.21	
LC0012	7.47 ± 0.13	106	3.21	H
LC0013	6.93 ± 0.208	98.7	-0.64	
LC0014	7.17 ± 0.3	102	1.07	
LC0015	6.87 ± 0.2	97.9	-1.06	
LC0016	6.9 ± 0.0001	98.3	-0.85	
LC0017	7.15 ± 0.72	102	0.93	
LC0018	7.027 ± 0.07027	100	0.05	
LC0019	6.95 ± 0.07	99	-0.49	
LC0020	6.94 ± 0.01633	98.9	-0.57	
LC0021	6.98 ± 0.027	99.4	-0.28	
LC0022	7.14 ± 0.1	102	0.86	
LC0023	6.85 ± 0.41	97.6	-1.21	
LC0024	6.954 ± 0.6954	99.1	-0.47	
LC0025	7.17 ± 0.43	102	1.07	
LC0026	7.04 ± 0.493	100	0.15	
LC0027	6.88 ± 0.03	98	-0.99	
LC0028	7.07 ± 0.283	101	0.36	
LC0029	7 ± 0.1	99.7	-0.14	
LC0030	7.02 ± 0.2	100	0.00	
LC0031	7.1 ± 0.2	101	0.57	

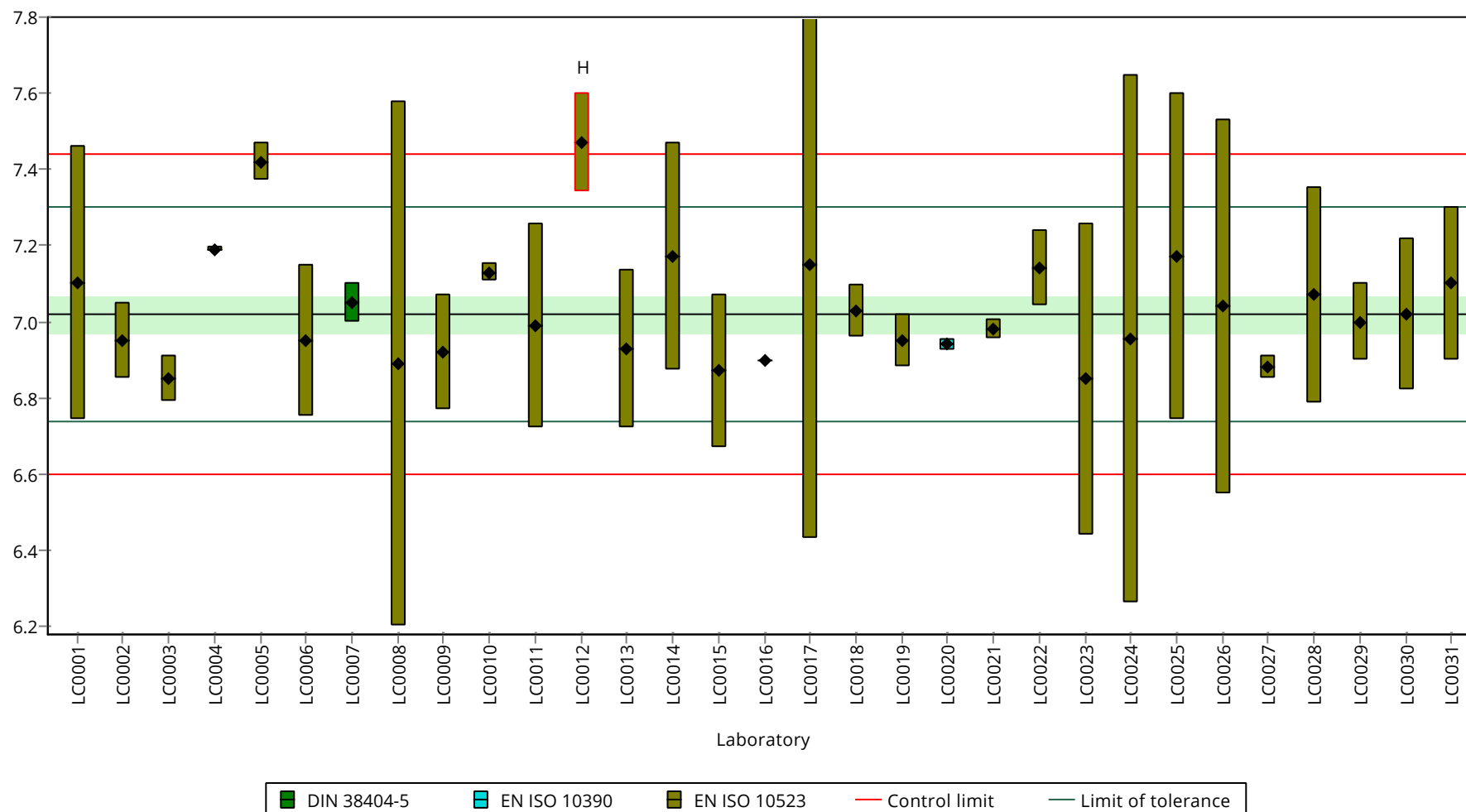
Parameter oriented report Waste acc to landfill
directive (eluate ions) - AB18

Sample: AB18, Parameter: pH-value

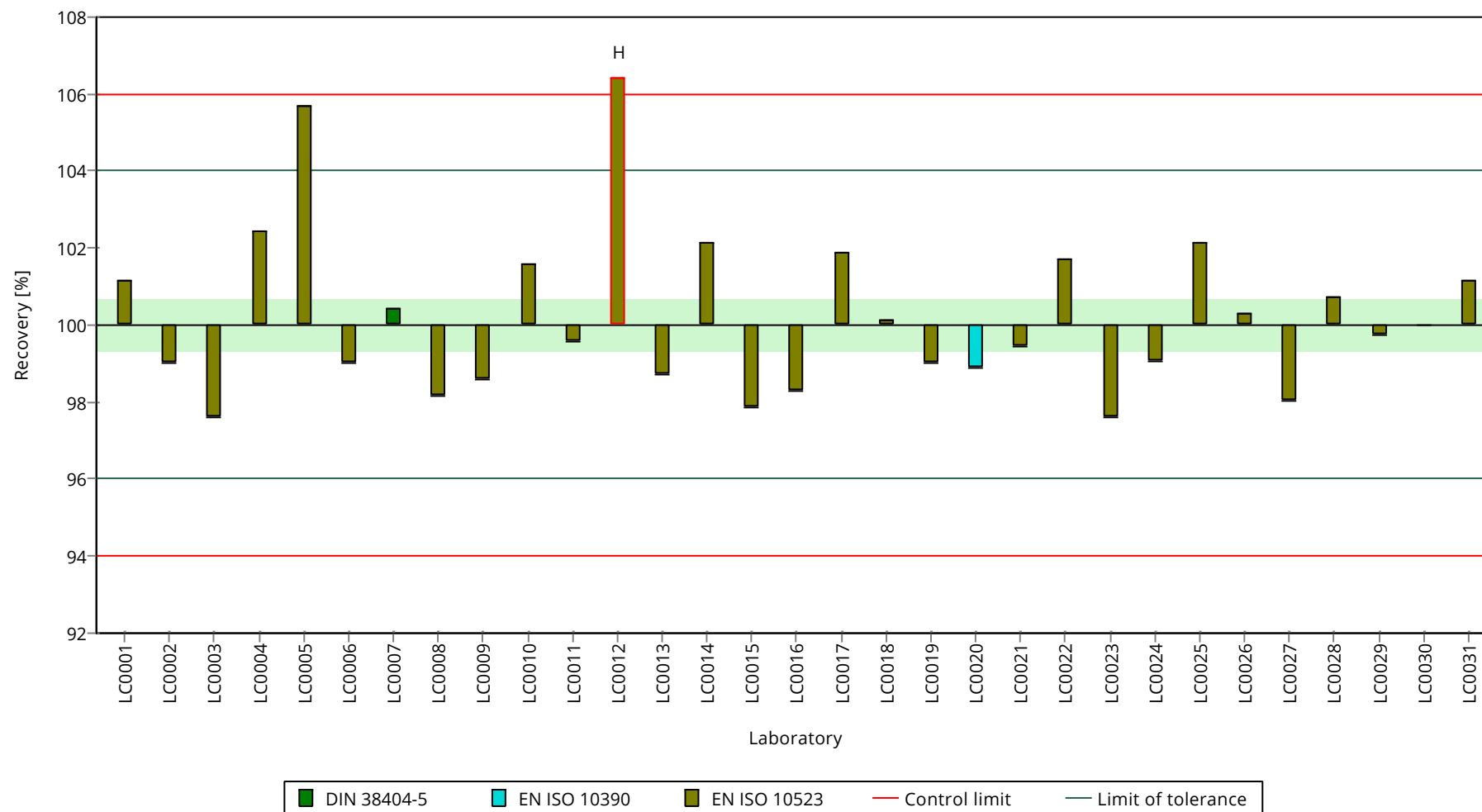
Characteristics of parameter			
	all results	without outliers	Unit
Mean ± CI (99%)	7.03 ± 0.0804	7.02 ± 0.0698	
Minimum	6.85	6.85	
Maximum	7.47	7.42	
Standard deviation	0.149	0.128	
rel. standard deviation	2.12	1.82	%
n	31	30	-

Graphical presentation of results

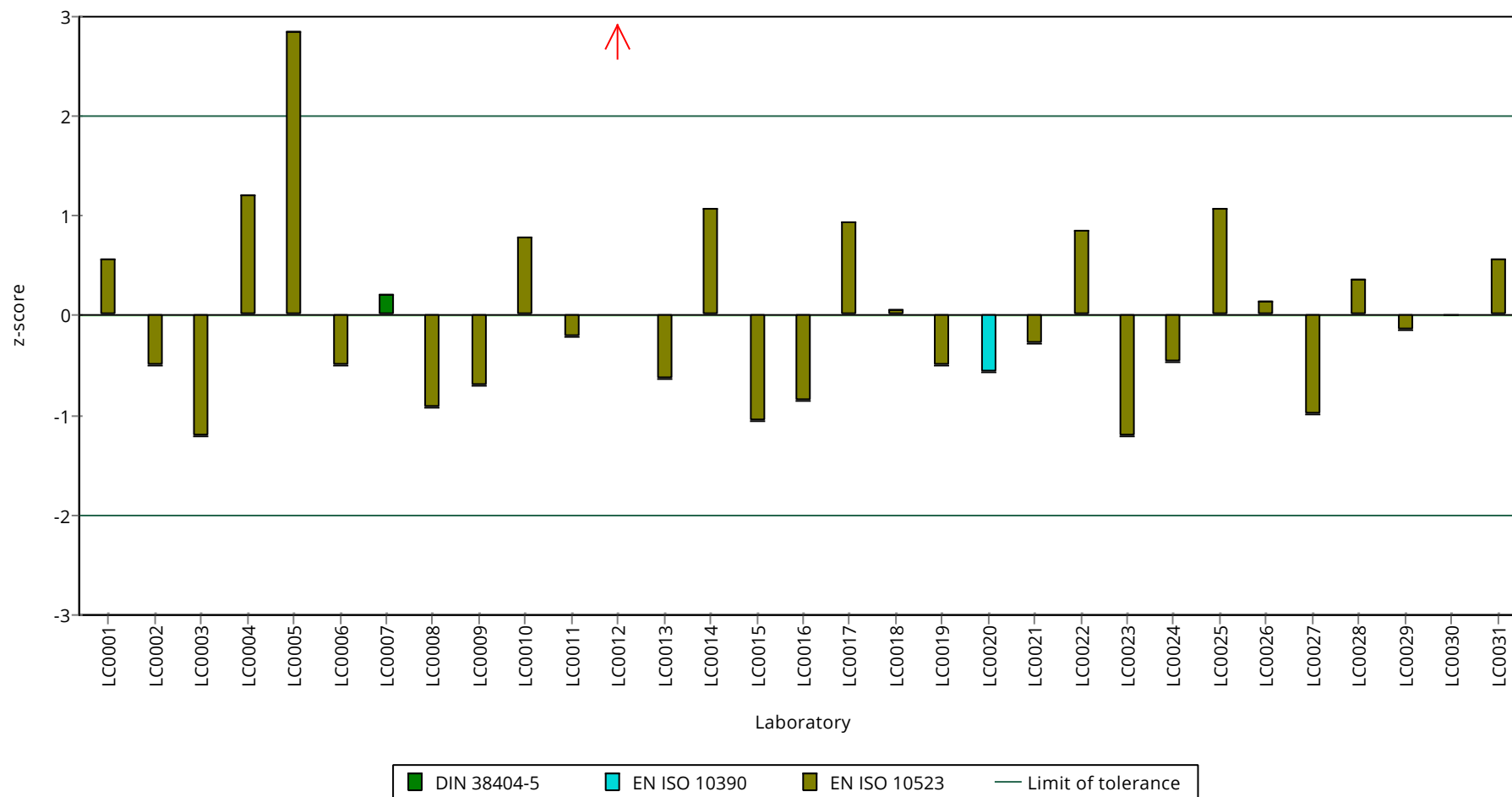
Results



Recovery rate



z-Score



Parameter oriented report Waste acc to landfill
directive (eluate ions) - AB18

Sample: AB18, Parameter: PO4 (as P)

Parameter oriented report

AB18

PO4 (as P) *

Unit mg/l
Assigned value $\pm U$ (k=2) -
Criterion -
Minimum - Maximum 0.0207 - 0.222
Control test value $\pm U$ (k=2) n.a.

*Due to the high reproducibility standard deviation (>50%), no assigned value could be established for this parameter. For information purposes, the calculated mean value (MV $\pm U$ (k=2)) based on the results of the accredited laboratories (n) after outlier removal is provided. This data can be used for comparison as part of your internal QA measures.

MV (n=16, accr.) $\pm U$ (k=2): 0.079 $\pm$ 0.0280 mg/l

Labcode	Result $\pm U$	Recovery [%]	z-Score	Comments
LC0001	0.034 $\pm$ 0.006	-	-	
LC0002	< 0.05 (LOQ) $\pm$ -	-	-	
LC0003	0.389 $\pm$ 0.011	-	-	H
LC0004	- $\pm$ -	-	-	
LC0005	0.022 $\pm$ 0.0044	-	-	
LC0006	0.043 $\pm$ 0.0043	-	-	
LC0007	0.0701 $\pm$ 0.02	-	-	
LC0008	< 0.1 (LOQ) $\pm$ -	-	-	
LC0009	0.0612 $\pm$ 0.0049	-	-	
LC0010	0.402 $\pm$ 0.026	-	-	H
LC0011	0.079 $\pm$ 0.011	-	-	
LC0012	0.173 $\pm$ 0.0092	-	-	
LC0013	0.098 $\pm$ 0.013	-	-	
LC0014	0.0648 $\pm$ 0.013	-	-	
LC0015	- $\pm$ -	-	-	
LC0016	0.03 $\pm$ 0.0004	-	-	
LC0017	0.097 $\pm$ 0.0291	-	-	
LC0018	0.0939 $\pm$ 0.00939	-	-	
LC0019	0.0207 $\pm$ 0.00062	-	-	
LC0020	0.515 $\pm$ 0.00459	-	-	H
LC0021	0.034 $\pm$ 0.0013	-	-	
LC0022	- $\pm$ -	-	-	
LC0023	0.413 $\pm$ 0.09	-	-	H
LC0024	- $\pm$ -	-	-	
LC0025	0.0355 $\pm$ 0.0071	-	-	
LC0026	0.126 $\pm$ 0.0328	-	-	
LC0027	0.222 $\pm$ 0.03	-	-	
LC0028	0.059 $\pm$ 0.011	-	-	
LC0029	- $\pm$ -	-	-	
LC0030	- $\pm$ -	-	-	
LC0031	- $\pm$ -	-	-	

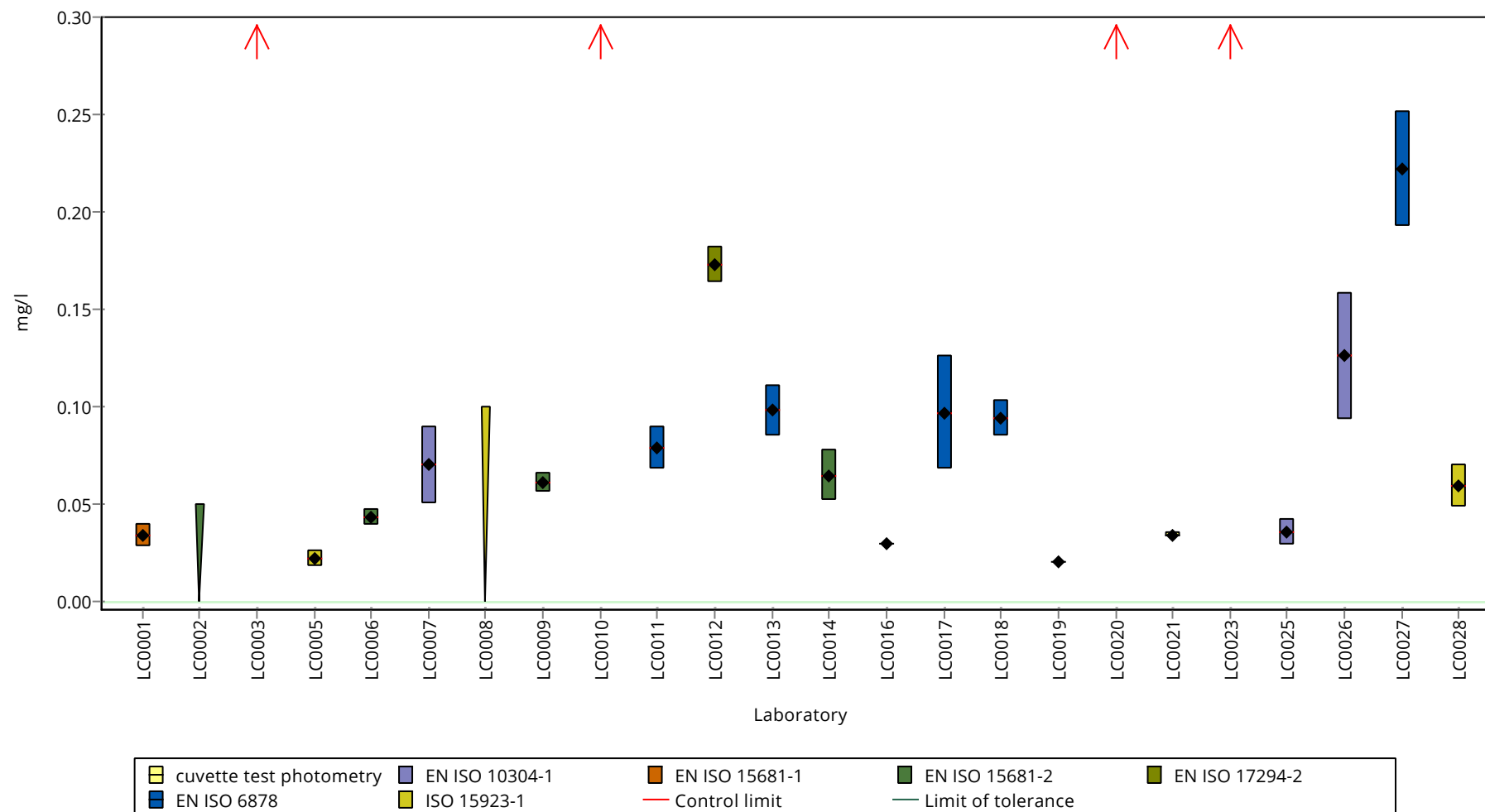
Parameter oriented report Waste acc to landfill
directive (eluate ions) - AB18

Sample: AB18, Parameter: PO4 (as P)

Characteristics of parameter			
	all results	without outliers	Unit
Mean ± CI (99%)	0.14 ± 0.0956	0.0757 ± 0.0382	mg/l
Minimum	0.0207	0.0207	mg/l
Maximum	0.515	0.222	mg/l
Standard deviation	0.15	0.054	mg/l
rel. standard deviation	107	71	%
n	22	18	-

Graphical presentation of results

Results



Parameter oriented report Waste acc to landfill
directive (eluate ions) - AB18

Sample: AB18, Parameter: Sulfate (as SO₄)

Parameter oriented report

AB18

Sulfate (as SO₄)

Unit mg/l
Assigned value ± U (k=2) 1620 ± 17.1
Criterion 81.2 (5 %)
Minimum - Maximum 1540 - 1730
Control test value ± U (k=2) 1750 ± 158

Labcode	Result ± U	Recovery [%]	z-Score	Comments
LC0001	1637 ± 112	101	0.16	
LC0002	1810 ± 217	111	2.3	H
LC0003	1575 ± 157.7	97	-0.6	
LC0004	1615 ± 162	99.5	-0.11	
LC0005	1540 ± 231	94.8	-1.03	
LC0006	1570 ± 160	96.7	-0.66	
LC0007	1604 ± 100	98.8	-0.24	
LC0008	1606.317 ± 240.94755	98.9	-0.21	
LC0009	1660 ± 43.2	102	0.45	
LC0010	1687 ± 19.9	104	0.78	
LC0011	1594 ± 98.8	98.2	-0.37	
LC0012	1640 ± 110	101	0.2	
LC0013	1620 ± 130	99.8	-0.05	
LC0014	1600 ± 160	98.5	-0.29	
LC0015	1640 ± 246	101	0.2	
LC0016	1568.26 ± 25.4242	96.6	-0.68	
LC0017	1710 ± 120	105	1.06	
LC0018	1599 ± 59.15	98.5	-0.3	
LC0019	1681 ± 67	104	0.71	
LC0020	1634 ± 6.231	101	0.13	
LC0021	1765 ± 39.54	109	1.74	H
LC0022	1590 ± 319	97.9	-0.41	
LC0023	1570.23 ± 188.43	96.7	-0.66	
LC0024	- ± -	-	-	
LC0025	1729 ± 346	106	1.3	
LC0026	1626 ± 146	100	0.03	
LC0027	1630 ± 61	100	0.08	
LC0028	1615 ± 145	99.5	-0.11	
LC0029	1648 ± 82.4	101	0.3	
LC0030	- ± -	-	-	
LC0031	1650 ± 210	102	0.32	

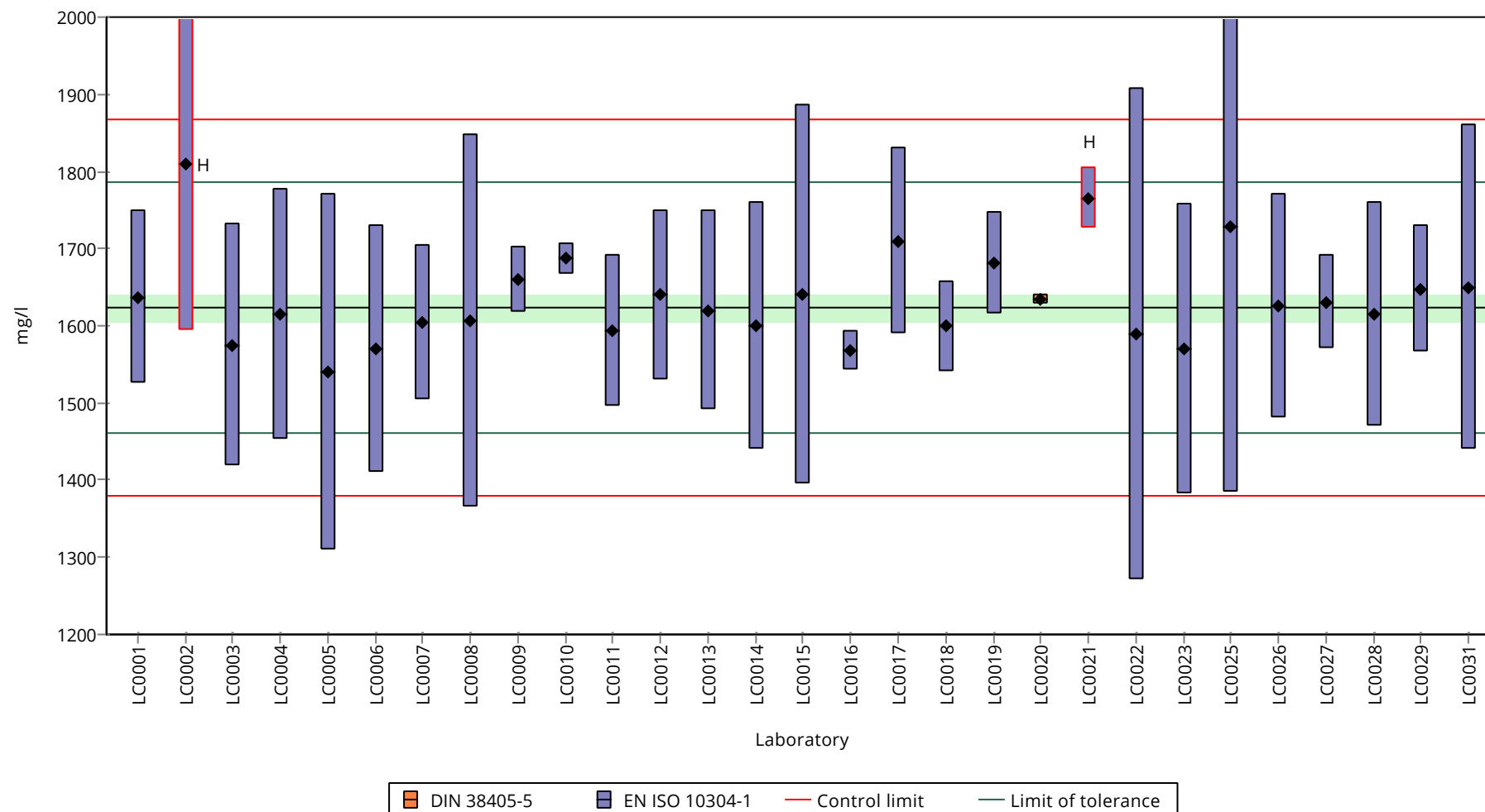
Parameter oriented report Waste acc to landfill
directive (eluate ions) - AB18

Sample: AB18, Parameter: Sulfate (as SO₄)

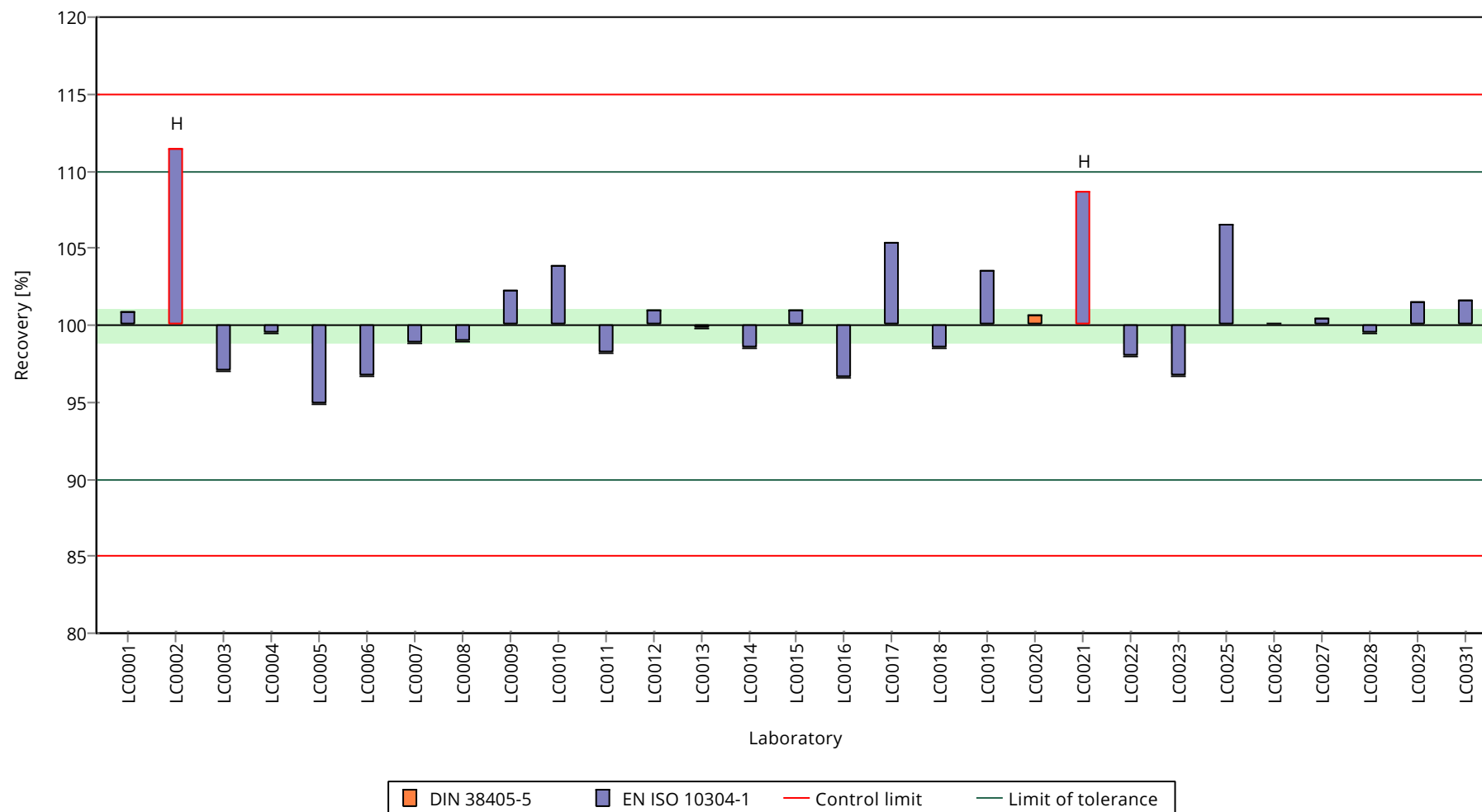
Characteristics of parameter			
	all results	without outliers	Unit
Mean ± CI (99%)	1630 ± 33.7	1620 ± 25.7	mg/l
Minimum	1540	1540	mg/l
Maximum	1810	1730	mg/l
Standard deviation	60.5	44.5	mg/l
rel. standard deviation	3.7	2.74	%
n	29	27	-

Graphical presentation of results

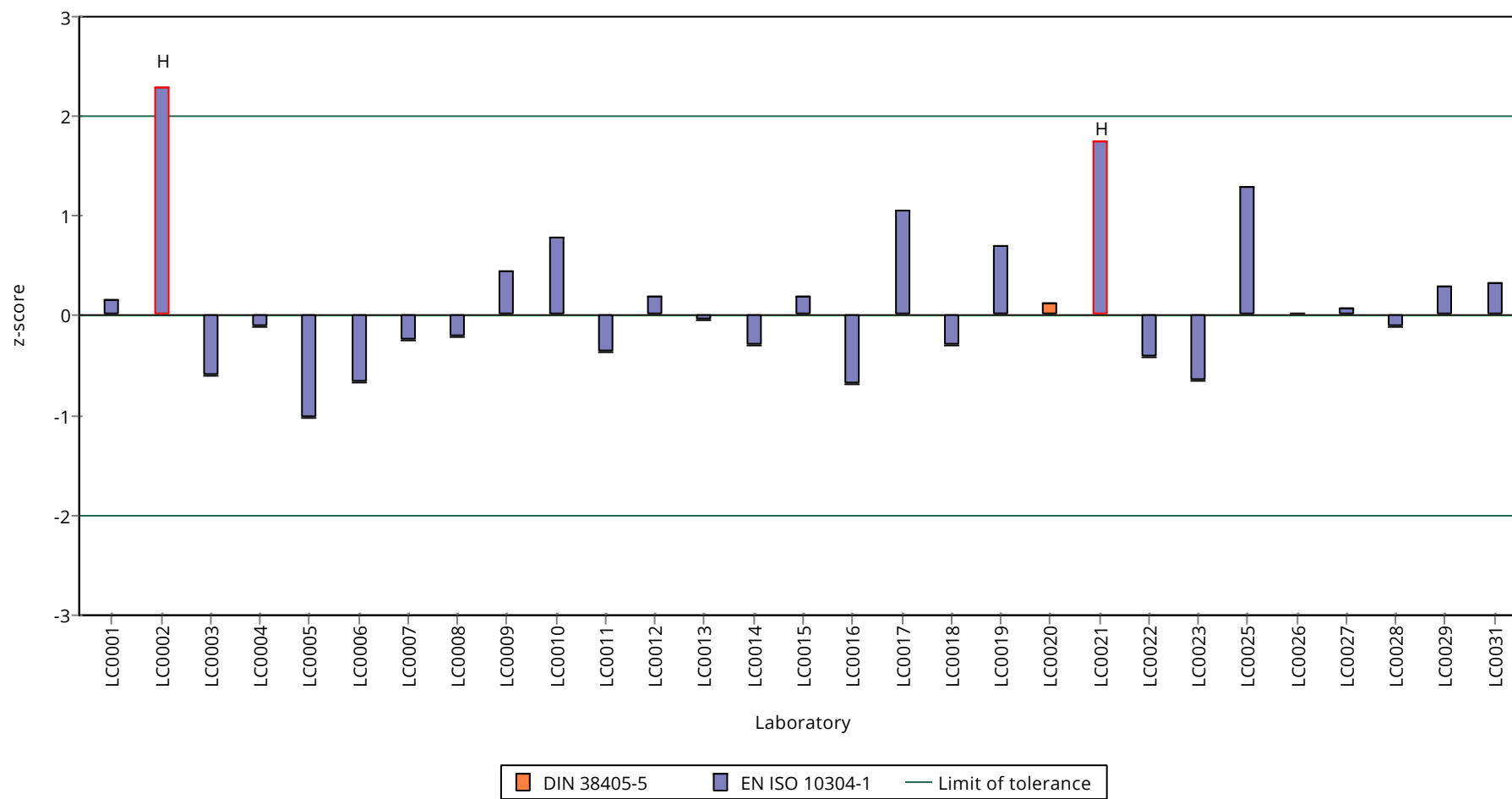
Results



Recovery rate



z-Score



Parameter oriented report Waste acc to landfill
directive (eluate ions) - AB18

Sample: AB18TOC, Parameter: TOC (as C)

Parameter oriented report

AB18 TOC

TOC (as C)

Unit mg/l
Assigned value $\pm$ U (k=2) 23.1 ± 0.663
Criterion 1.78 (7.7 %)
Minimum - Maximum 19 - 26.5
Control test value $\pm$ U (k=2) 24.5 ± 7.12

Labcode	Result $\pm$ U	Recovery [%]	z-Score	Comments
LC0001	23.06 $\pm$ 4.04	99.8	-0.03	
LC0002	21.6 $\pm$ 3.2	93.5	-0.85	
LC0003	23.96 $\pm$ 2.51	104	0.48	
LC0004	21.45 $\pm$ 2.15	92.8	-0.93	
LC0005	21.7 $\pm$ 2.17	93.9	-0.79	
LC0006	22.6 $\pm$ 2.3	97.8	-0.29	
LC0007	25.8 $\pm$ 2	112	1.51	
LC0008	23.094 $\pm$ 5.7735	99.9	-0.01	
LC0009	24.35 $\pm$ 1.911	105	0.7	
LC0010	22.59 $\pm$ 0.84	97.8	-0.29	
LC0011	25.03 $\pm$ 2.13	108	1.08	
LC0012	24 $\pm$ 3.2	104	0.5	
LC0013	23.8 $\pm$ 1.43	103	0.39	
LC0014	22.8 $\pm$ 5.7	98.7	-0.17	
LC0015	26.46 $\pm$ 2.65	114	1.88	
LC0016	19.099 $\pm$ 0.3978	82.6	-2.25	
LC0017	- $\pm$ -	-	-	
LC0018	22.25 $\pm$ 2.225	96.3	-0.48	
LC0019	19 $\pm$ 1.2	82.2	-2.31	
LC0020	23.14 $\pm$ 0.02449	100	0.02	
LC0021	21.09 $\pm$ 0.03876	91.3	-1.13	
LC0022	24.3 $\pm$ 6.08	105	0.67	
LC0023	23.1 $\pm$ 7.16	100	-0.01	
LC0024	25.465 $\pm$ 5.093	110	1.32	
LC0025	24.28 $\pm$ 4.37	105	0.66	
LC0026	24.69 $\pm$ 4.19	107	0.89	
LC0027	20.7 $\pm$ 1.1	89.6	-1.35	
LC0028	23.4 $\pm$ 2.11	101	0.16	
LC0029	24.25 $\pm$ 3.638	105	0.64	
LC0030	- $\pm$ -	-	-	
LC0031	23.12 $\pm$ 1.31	100	0.01	

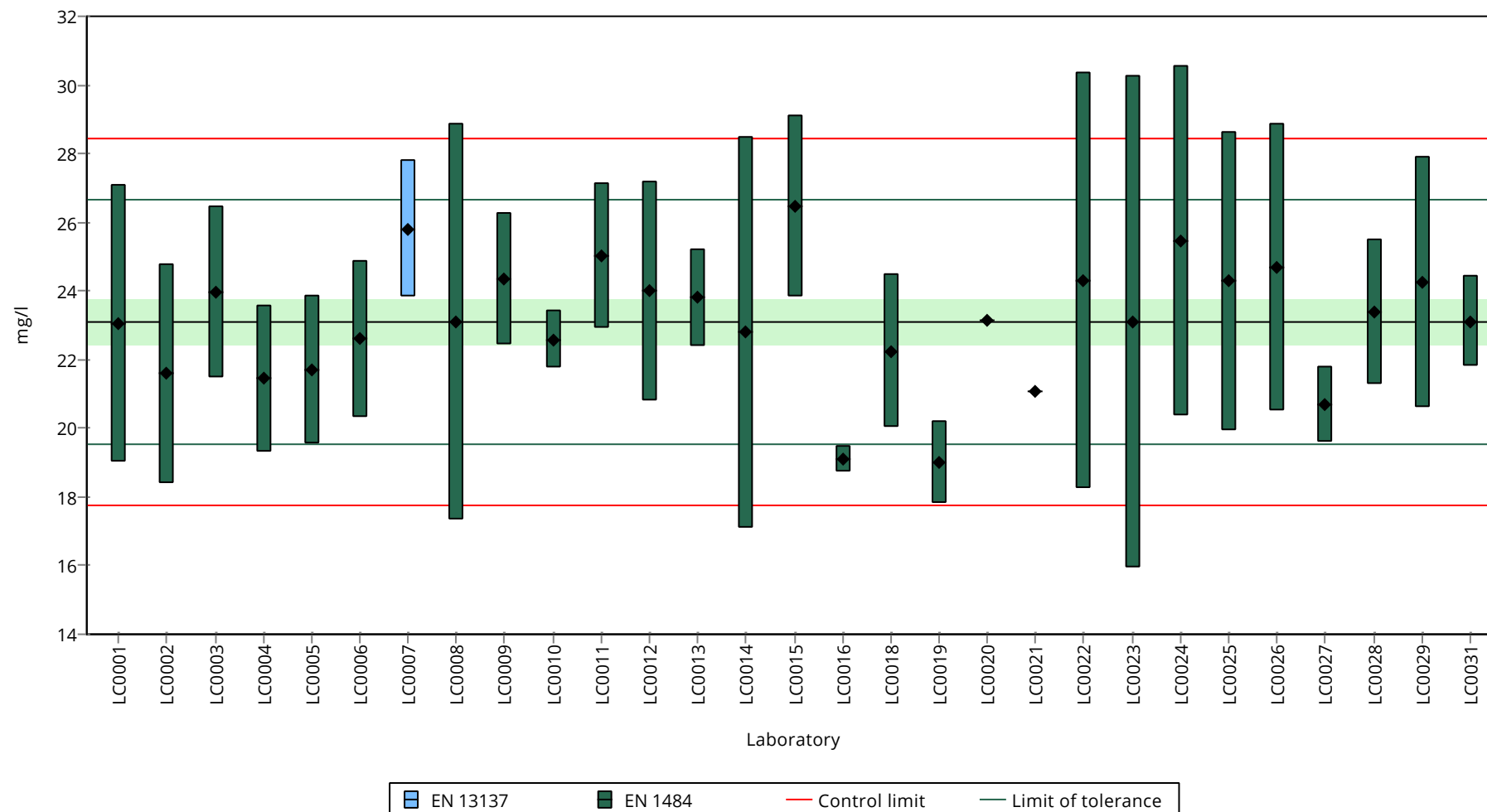
Parameter oriented report Waste acc to landfill
directive (eluate ions) - AB18

Sample: AB18TOC, Parameter: TOC (as C)

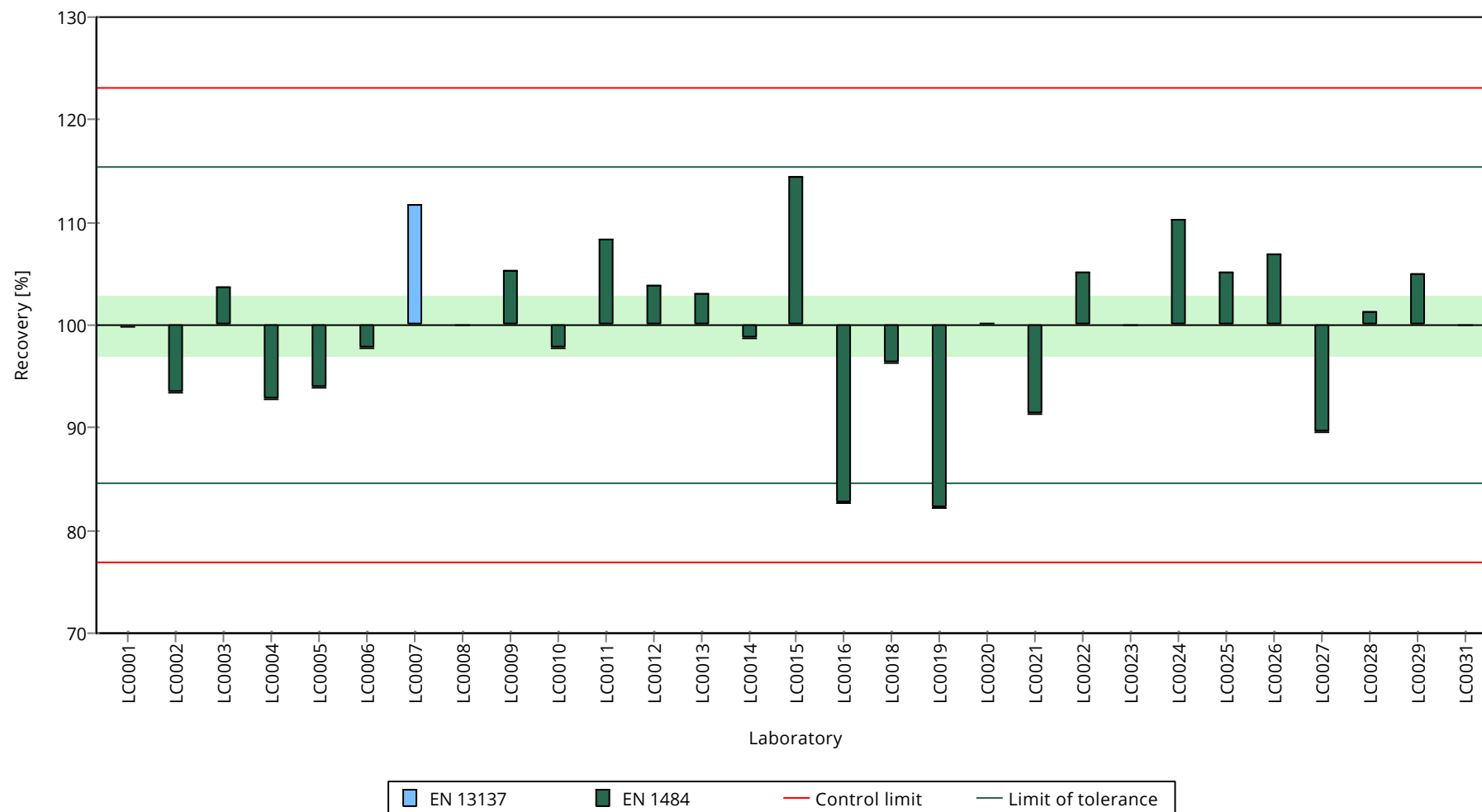
Characteristics of parameter			
	all results	without outliers	Unit
Mean ± CI (99%)	23.1 ± 0.994	23.1 ± 0.994	mg/l
Minimum	19	19	mg/l
Maximum	26.5	26.5	mg/l
Standard deviation	1.78	1.78	mg/l
rel. standard deviation	7.72	7.72	%
n	29	29	-

Graphical presentation of results

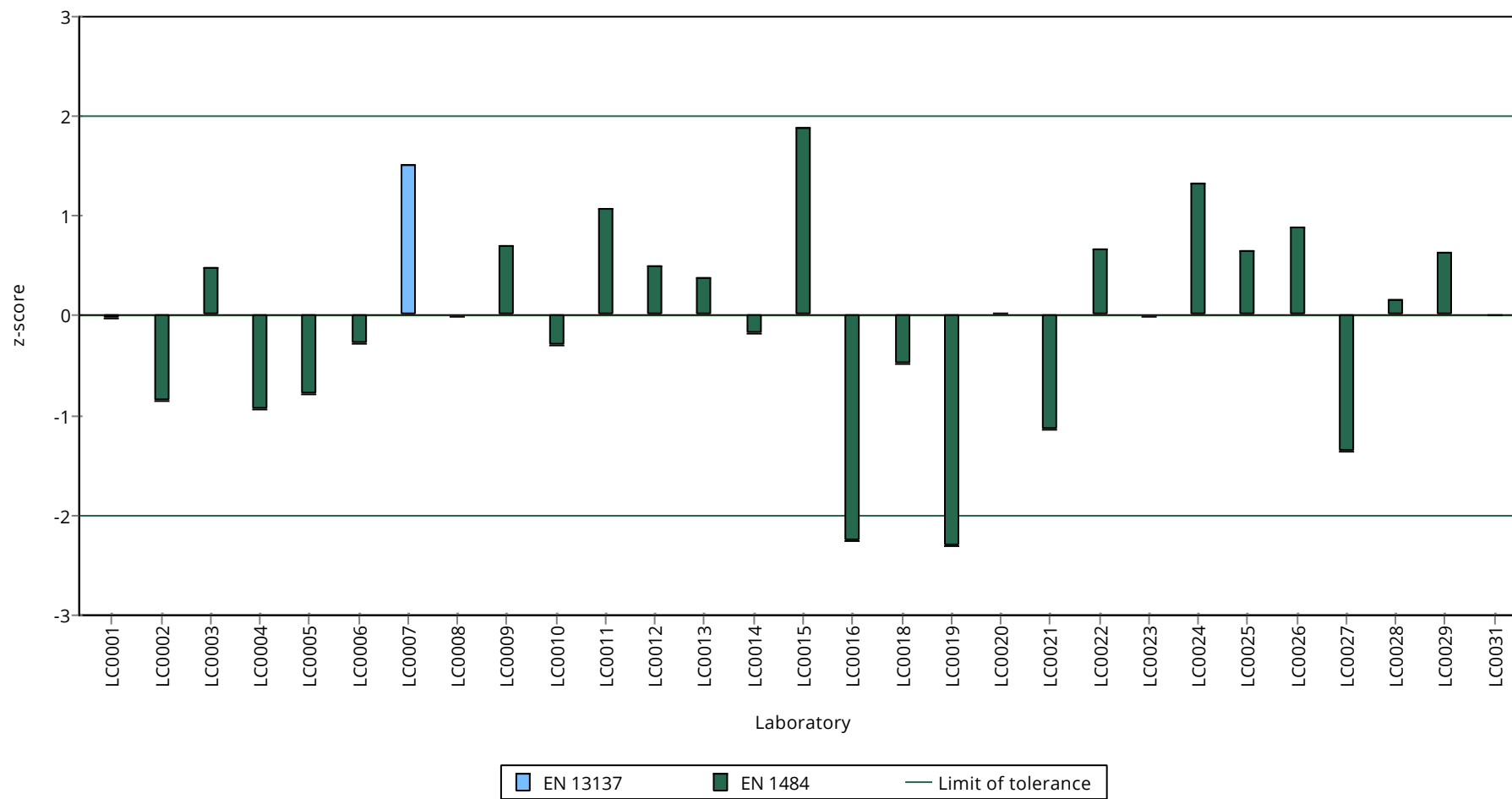
Results



Recovery rate



z-Score



E8. Labororientierte Auswertung / Laboratory oriented report

Die Labororientierte Auswertung ist nach dem Laborcode sortiert.

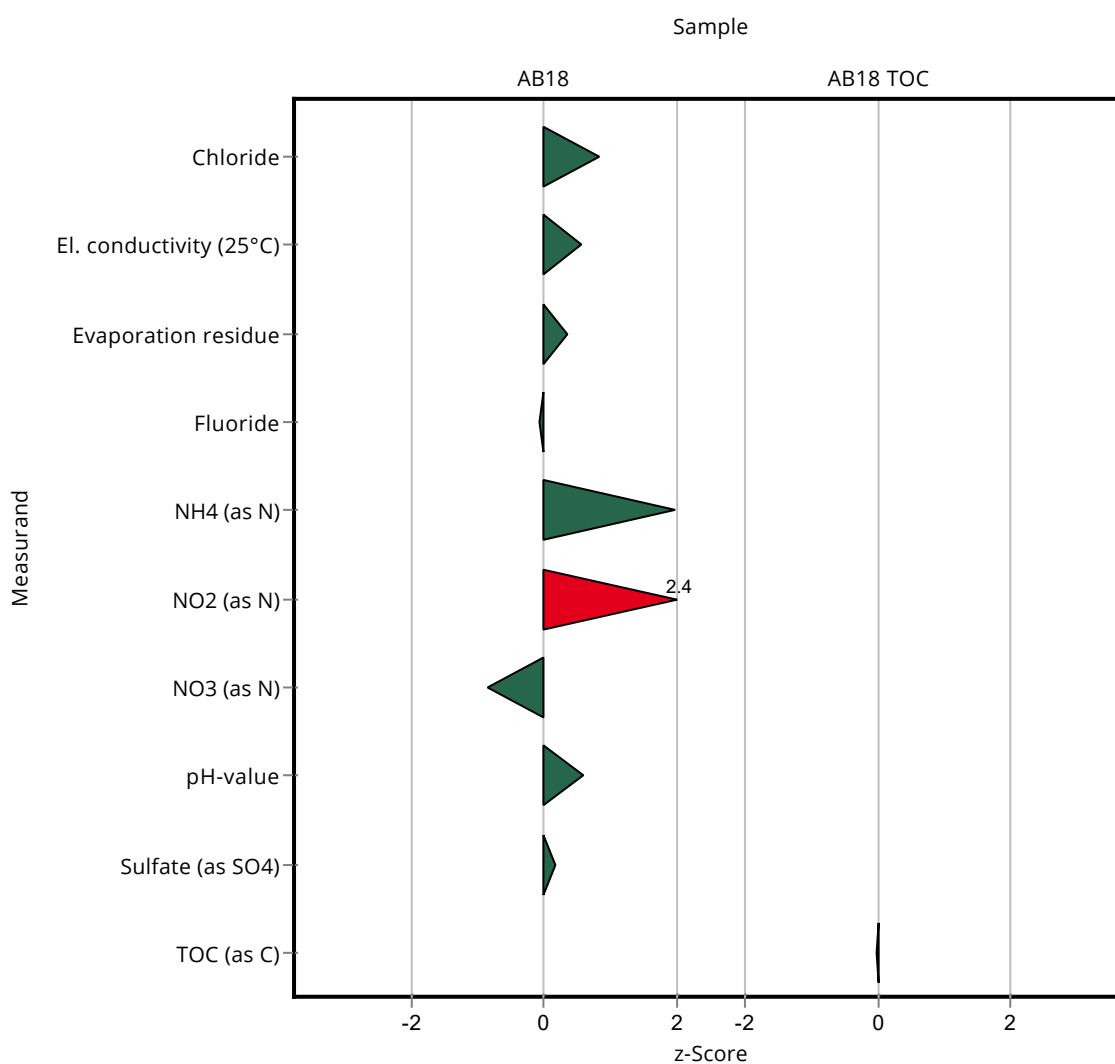
The laboratory oriented report is sorted by laboratory code.

Sample: AB18

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	1670 $\pm$ 33.7	1738 $\pm$ 365	83.5	104	0.83
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	759 $\pm$ 18.2	15	101	0.55
Evaporation residue	mg/l	5840 $\pm$ 122	6054 $\pm$ 354	584	104	0.36
Fluoride	mg/l	0.355 $\pm$ 0.0246	0.35 $\pm$ 0.051	0.0675	98.5	-0.08
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	0.43 $\pm$ 0.052	0.0472	128	1.97
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	0.3 $\pm$ 0.034	0.0211	121	2.45
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	2.51 $\pm$ 0.196	0.216	93.1	-0.86
pH-value		7.02 $\pm$ 0.0466	7.1 $\pm$ 0.36	0.14	101	0.57
PO ₄ (as P)	mg/l	- $\pm$ -	0.034 $\pm$ 0.006	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	1637 $\pm$ 112	81.2	101	0.16

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	23.06 $\pm$ 4.04	1.78	99.8	-0.03



Summary of results Waste acc to landfill directive (eluate ions) - AB18 - En-Score

Labcode: LC0001

Sample: AB18

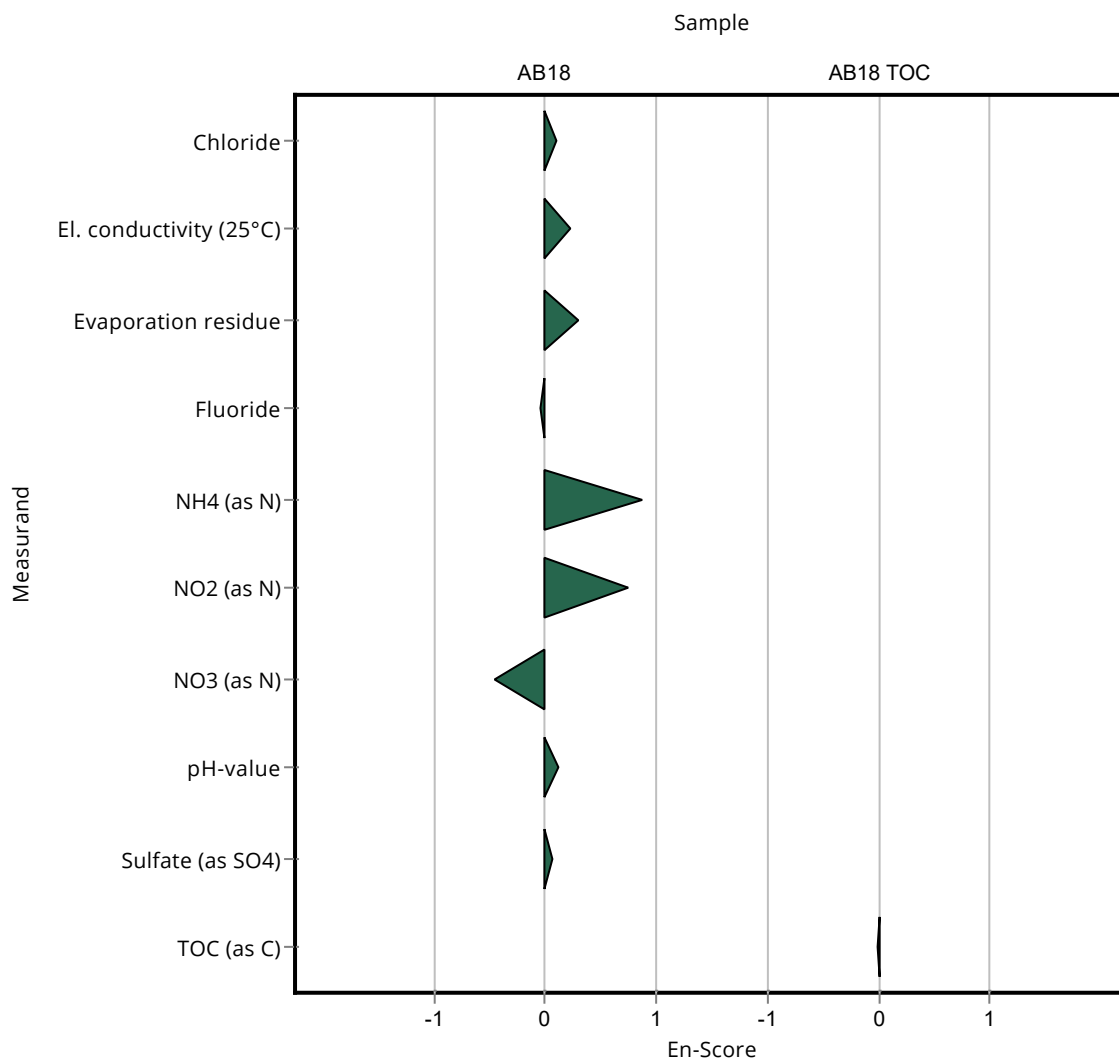
Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	1670 $\pm$ 33.7	1738 $\pm$ 365	83.5	104	0.09
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	759 $\pm$ 18.2	15	101	0.22
Evaporation residue	mg/l	5840 $\pm$ 122	6054 $\pm$ 354	584	104	0.29
Fluoride	mg/l	0.355 $\pm$ 0.0246	0.35 $\pm$ 0.051	0.0675	98.5	-0.05
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	0.43 $\pm$ 0.052	0.0472	128	0.88
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	0.3 $\pm$ 0.034	0.0211	121	0.75
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	2.51 $\pm$ 0.196	0.216	93.1	-0.46
pH-value		7.02 $\pm$ 0.0466	7.1 $\pm$ 0.36	0.14	101	0.11
PO ₄ (as P)	mg/l	- $\pm$ -	0.034 $\pm$ 0.006	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	1637 $\pm$ 112	81.2	101	0.06

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	23.06 $\pm$ 4.04	1.78	99.8	-0.01

Summary of results Waste acc to landfill directive (eluate ions) - AB18 - En-Score

Labcode: LC0001

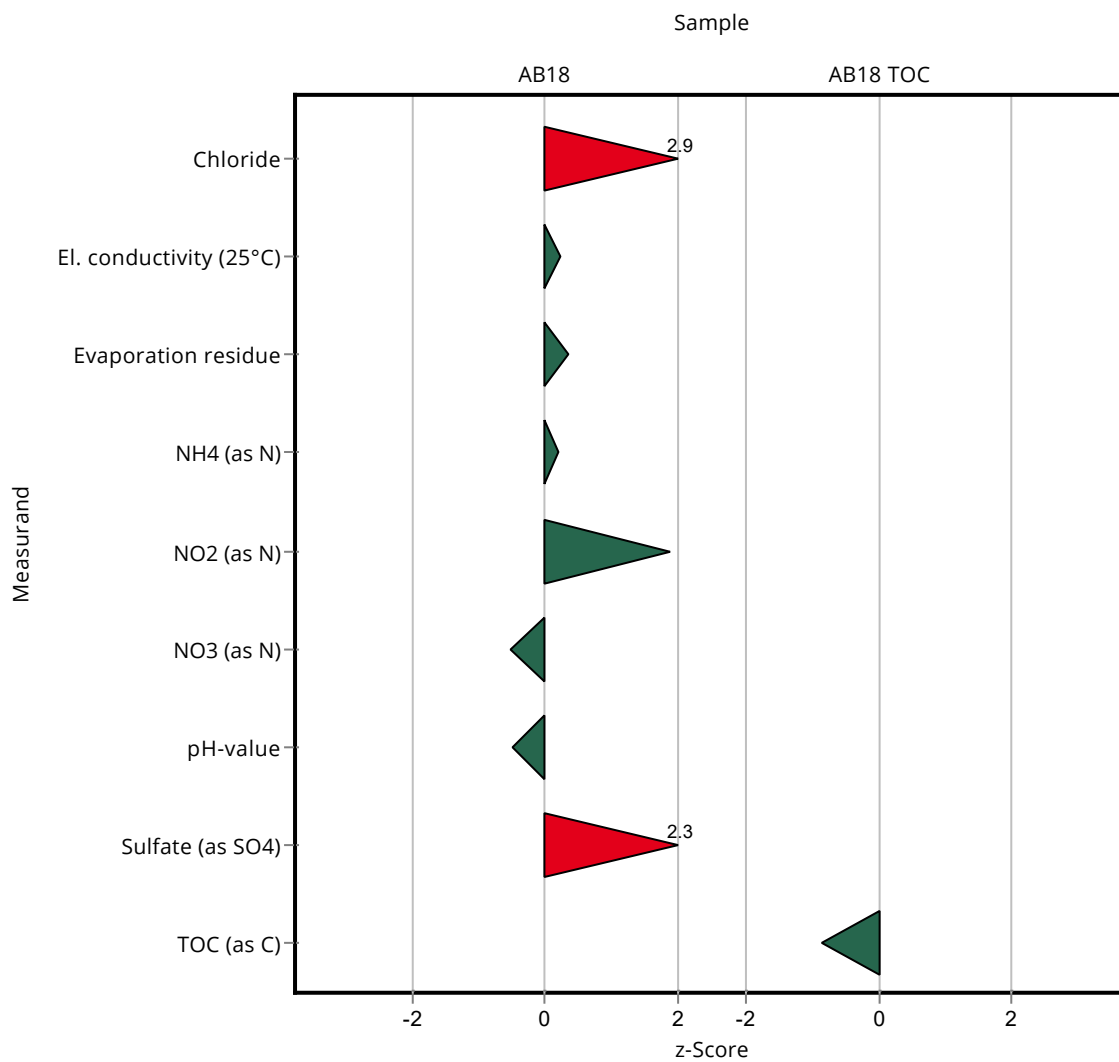


Sample: AB18

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	1670 $\pm$ 33.7	1910 $\pm$ 229	83.5	114	2.89
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	754 $\pm$ 38	15	100	0.21
Evaporation residue	mg/l	5840 $\pm$ 122	6050 $\pm$ 605	584	104	0.35
Fluoride	mg/l	0.355 $\pm$ 0.0246	<0.5 (LOQ) $\pm$ -	0.0675	-	-
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	0.346 $\pm$ 0.069	0.0472	103	0.19
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	0.288 $\pm$ 0.058	0.0211	116	1.88
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	2.58 $\pm$ 0.31	0.216	95.7	-0.54
pH-value		7.02 $\pm$ 0.0466	6.95 $\pm$ 0.1	0.14	99	-0.49
PO ₄ (as P)	mg/l	- $\pm$ -	<0.05 (LOQ) $\pm$ -	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	1810 $\pm$ 217	81.2	111	2.30

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	21.6 $\pm$ 3.2	1.78	93.5	-0.85



Summary of results Waste acc to landfill directive (eluate ions) - AB18 - En-Score

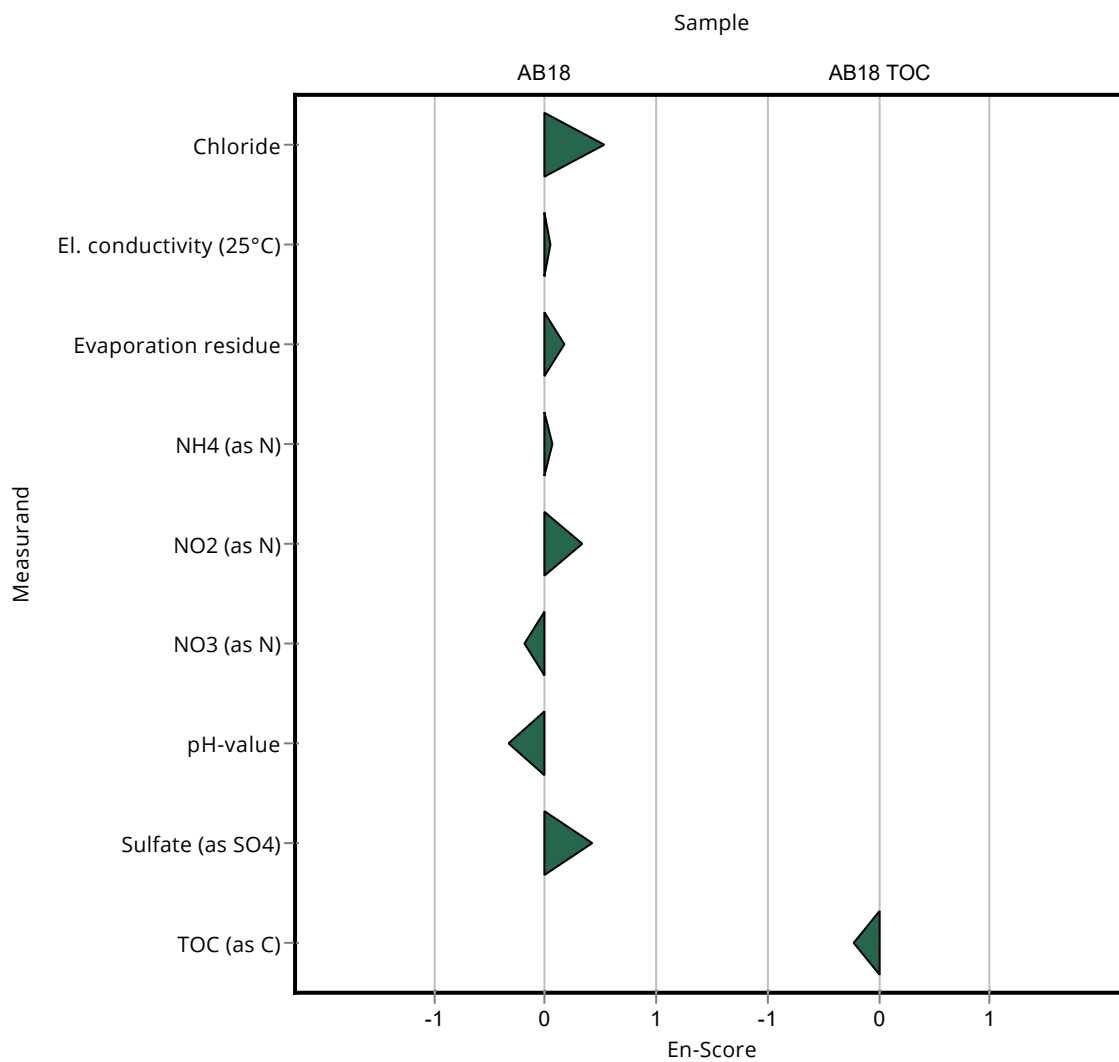
Labcode: LC0002

Sample: AB18

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	1670 $\pm$ 33.7	1910 $\pm$ 229	83.5	114	0.52
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	754 $\pm$ 38	15	100	0.04
Evaporation residue	mg/l	5840 $\pm$ 122	6050 $\pm$ 605	584	104	0.17
Fluoride	mg/l	0.355 $\pm$ 0.0246	<0.5 (LOQ) $\pm$ -	0.0675	-	-
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	0.346 $\pm$ 0.069	0.0472	103	0.07
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	0.288 $\pm$ 0.058	0.0211	116	0.34
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	2.58 $\pm$ 0.31	0.216	95.7	-0.18
pH-value		7.02 $\pm$ 0.0466	6.95 $\pm$ 0.1	0.14	99	-0.34
PO ₄ (as P)	mg/l	- $\pm$ -	<0.05 (LOQ) $\pm$ -	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	1810 $\pm$ 217	81.2	111	0.43

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	21.6 $\pm$ 3.2	1.78	93.5	-0.23

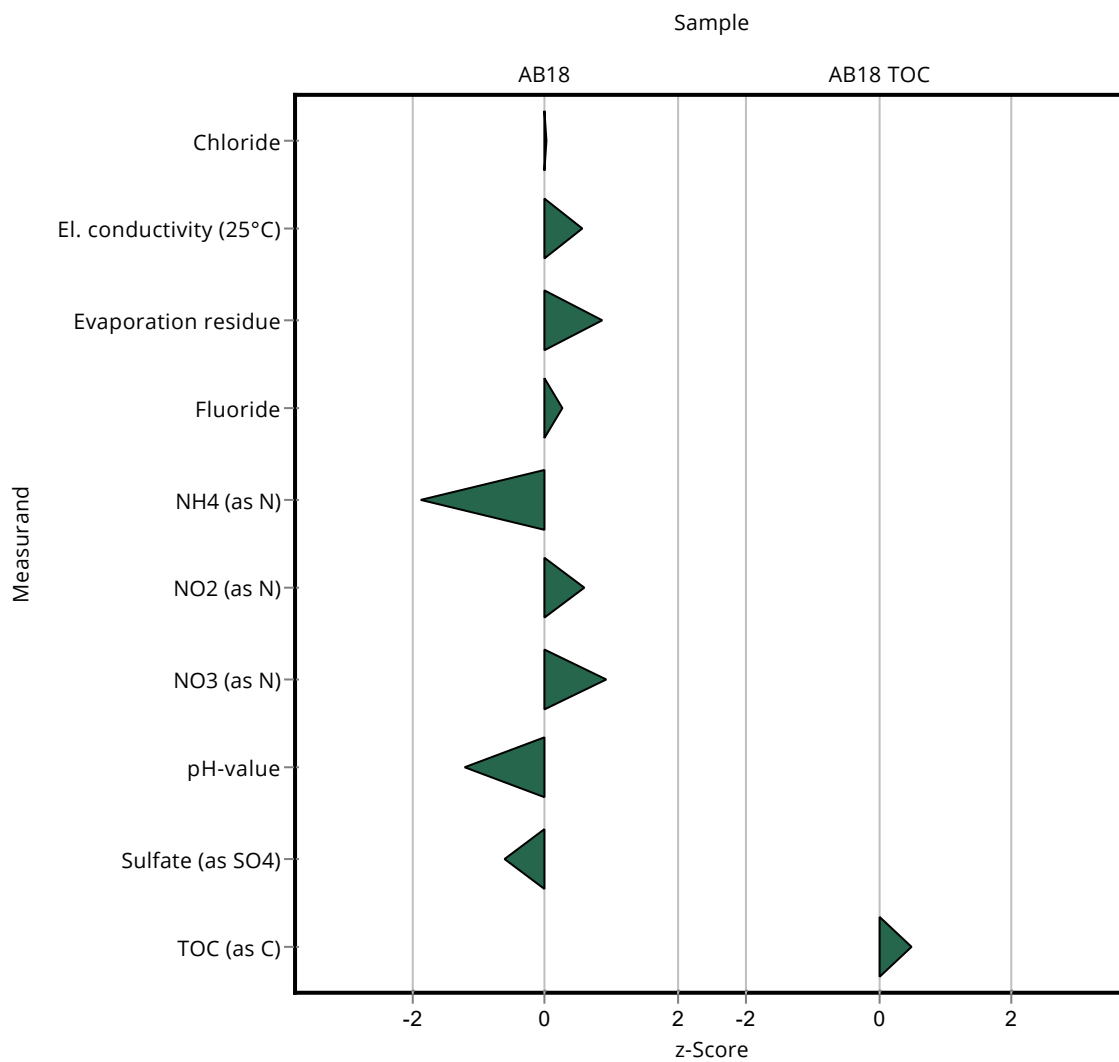


Sample: AB18

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	1670 $\pm$ 33.7	1671 $\pm$ 206.7	83.5	100	0.02
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	759 $\pm$ 13.89	15	101	0.55
Evaporation residue	mg/l	5840 $\pm$ 122	6342 $\pm$ 0.888	584	109	0.85
Fluoride	mg/l	0.355 $\pm$ 0.0246	0.372 $\pm$ 0.031	0.0675	105	0.25
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	0.249 $\pm$ 0.026	0.0472	73.9	-1.86
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	0.261 $\pm$ 0.032	0.0211	105	0.60
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	2.89 $\pm$ 0.304	0.216	107	0.90
pH-value		7.02 $\pm$ 0.0466	6.85 $\pm$ 0.06	0.14	97.6	-1.21
PO ₄ (as P)	mg/l	- $\pm$ -	0.389 $\pm$ 0.011	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	1575 $\pm$ 157.7	81.2	97	-0.60

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	23.96 $\pm$ 2.51	1.78	104	0.48



Summary of results Waste acc to landfill directive (eluate ions) - AB18 - En-Score

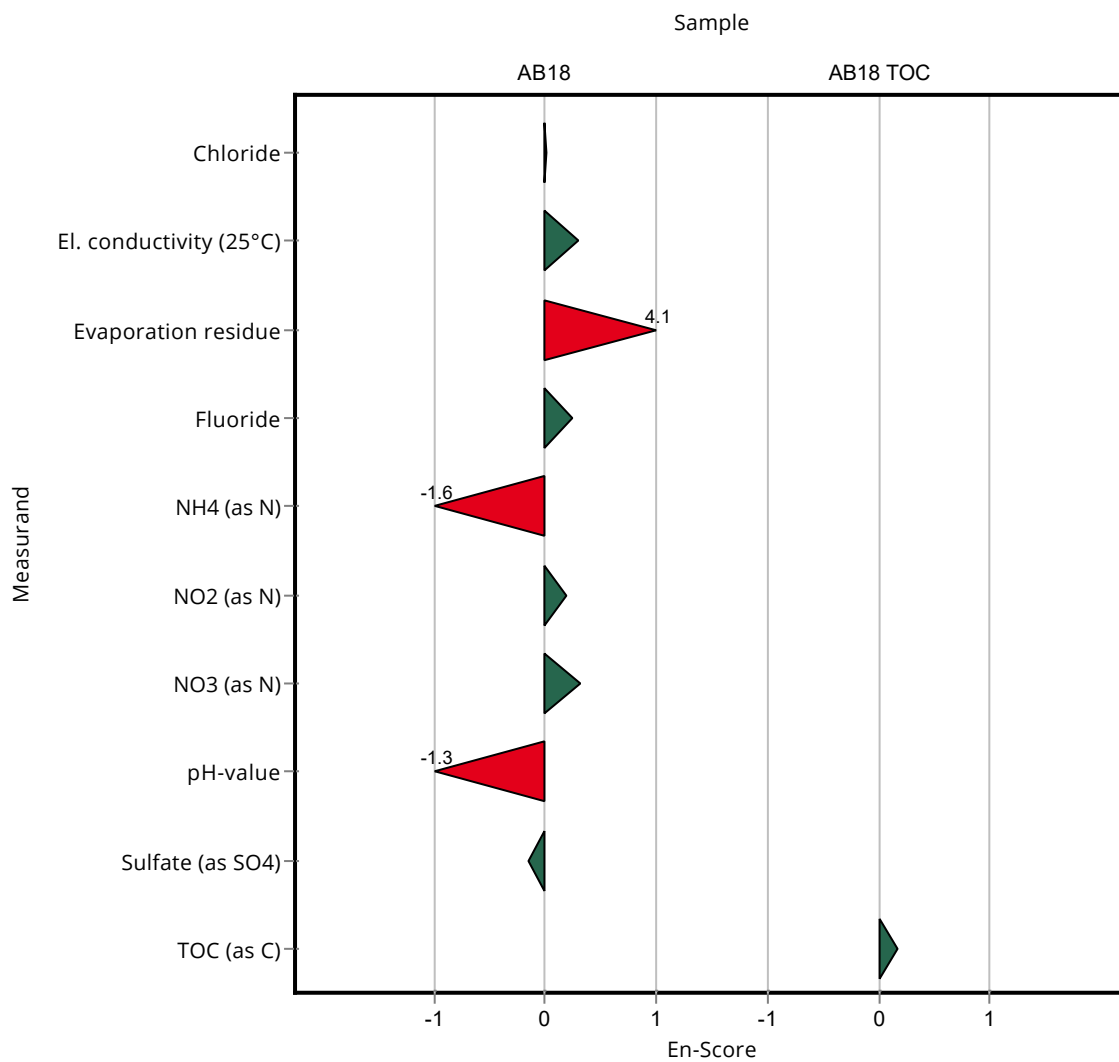
Labcode: LC0003

Sample: AB18

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	1670 $\pm$ 33.7	1671 $\pm$ 206.7	83.5	100	0.00
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	759 $\pm$ 13.89	15	101	0.29
Evaporation residue	mg/l	5840 $\pm$ 122	6342 $\pm$ 0.888	584	109	4.09
Fluoride	mg/l	0.355 $\pm$ 0.0246	0.372 $\pm$ 0.031	0.0675	105	0.25
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	0.249 $\pm$ 0.026	0.0472	73.9	-1.59
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	0.261 $\pm$ 0.032	0.0211	105	0.20
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	2.89 $\pm$ 0.304	0.216	107	0.32
pH-value		7.02 $\pm$ 0.0466	6.85 $\pm$ 0.06	0.14	97.6	-1.32
PO ₄ (as P)	mg/l	- $\pm$ -	0.389 $\pm$ 0.011	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	1575 $\pm$ 157.7	81.2	97	-0.15

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	23.96 $\pm$ 2.51	1.78	104	0.17

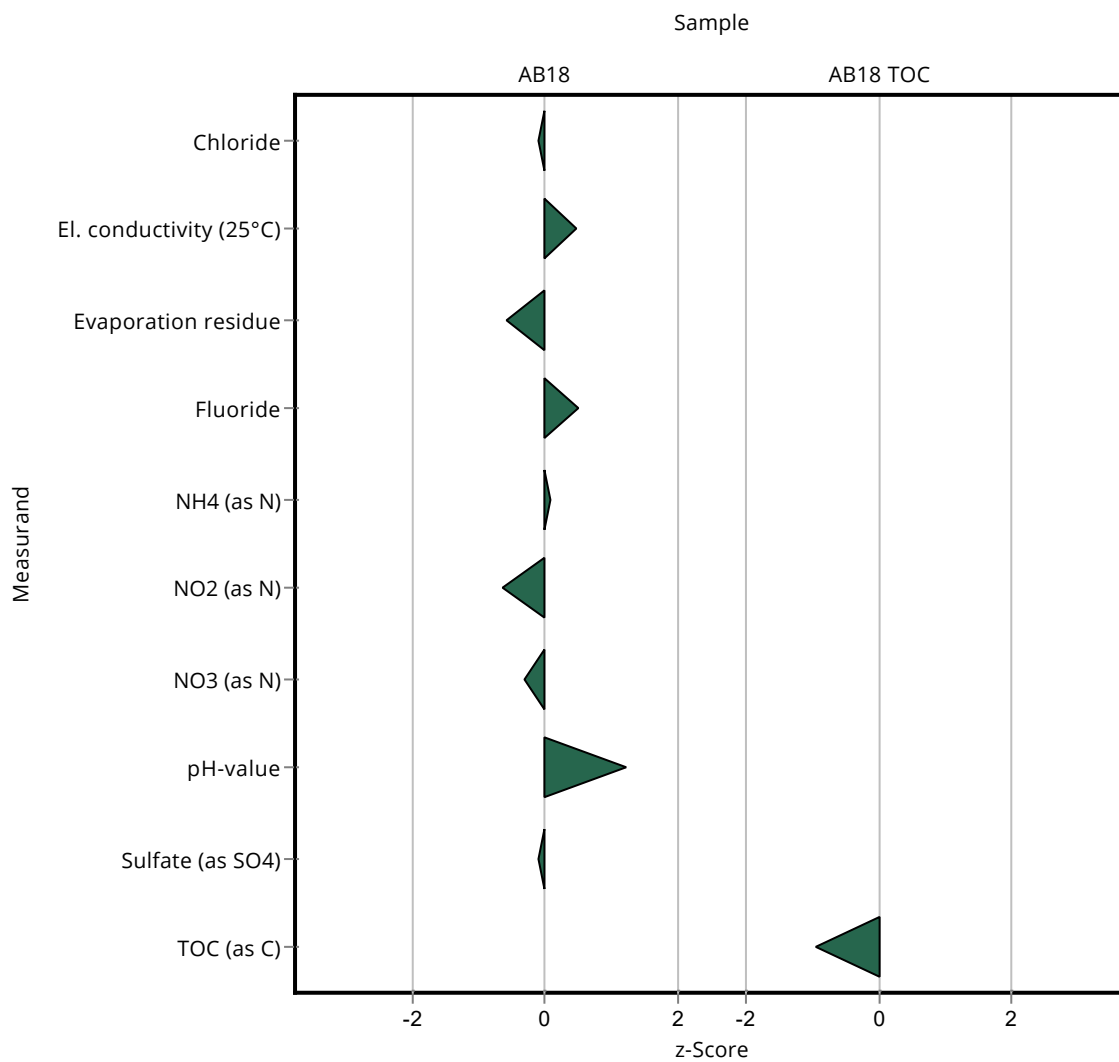


Sample: AB18

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	1670 $\pm$ 33.7	1660 $\pm$ 166	83.5	99.5	-0.11
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	758 $\pm$ 75.8	15	101	0.48
Evaporation residue	mg/l	5840 $\pm$ 122	5498 $\pm$ 549.8	584	94.1	-0.59
Fluoride	mg/l	0.355 $\pm$ 0.0246	0.389 $\pm$ 0.078	0.0675	109	0.50
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	0.341 $\pm$ 0.034	0.0472	101	0.09
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	0.235 $\pm$ 0.024	0.0211	94.6	-0.63
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	2.63 $\pm$ 0.263	0.216	97.6	-0.30
pH-value		7.02 $\pm$ 0.0466	7.19 $\pm$ 0.0072	0.14	102	1.22
PO ₄ (as P)	mg/l	- $\pm$ -	- $\pm$ -	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	1615 $\pm$ 162	81.2	99.5	-0.11

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	21.45 $\pm$ 2.15	1.78	92.8	-0.93



Summary of results Waste acc to landfill directive (eluate ions) - AB18 - En-Score

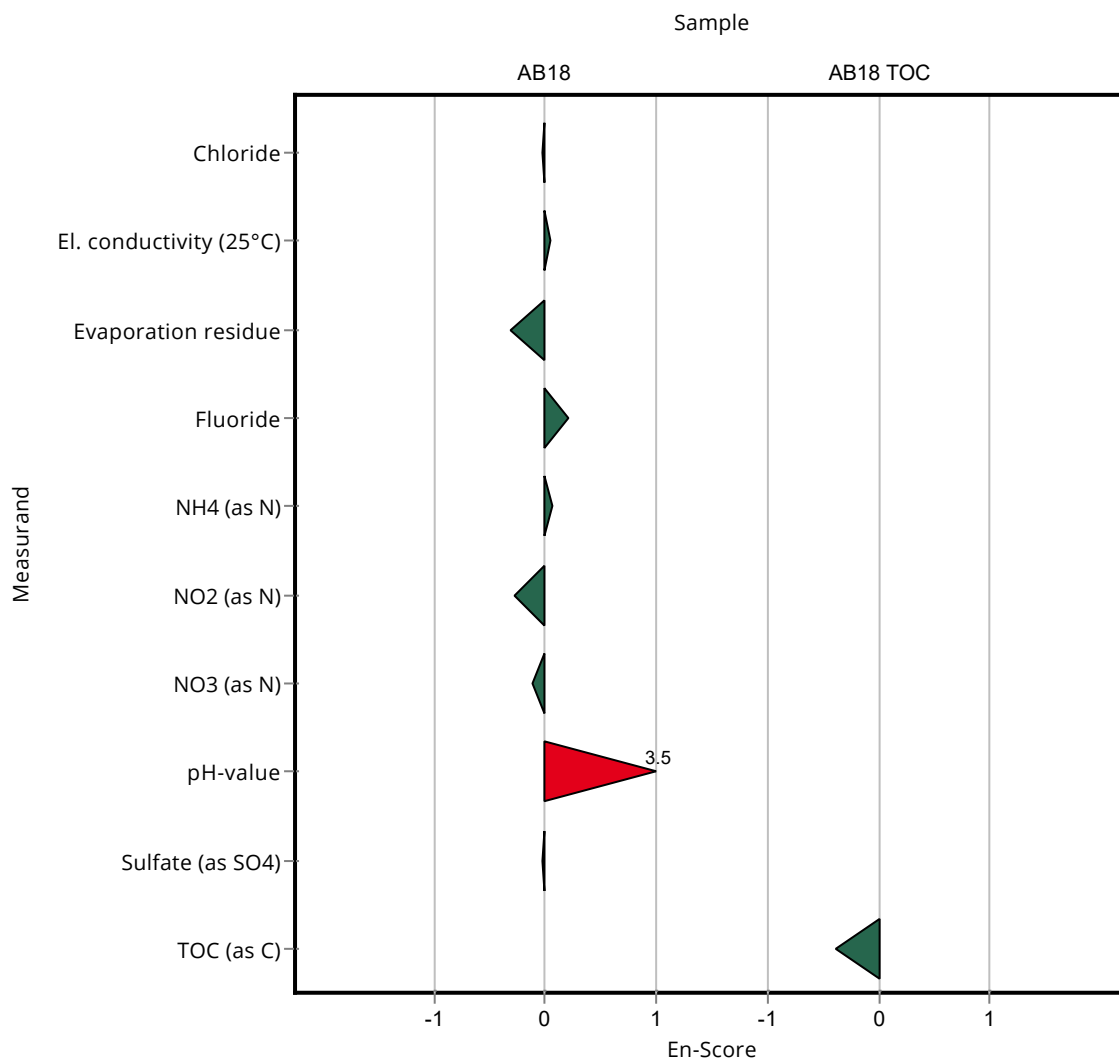
Labcode: LC0004

Sample: AB18

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	1670 $\pm$ 33.7	1660 $\pm$ 166	83.5	99.5	-0.03
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	758 $\pm$ 75.8	15	101	0.05
Evaporation residue	mg/l	5840 $\pm$ 122	5498 $\pm$ 549.8	584	94.1	-0.31
Fluoride	mg/l	0.355 $\pm$ 0.0246	0.389 $\pm$ 0.078	0.0675	109	0.21
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	0.341 $\pm$ 0.034	0.0472	101	0.06
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	0.235 $\pm$ 0.024	0.0211	94.6	-0.27
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	2.63 $\pm$ 0.263	0.216	97.6	-0.12
pH-value		7.02 $\pm$ 0.0466	7.19 $\pm$ 0.0072	0.14	102	3.50
PO ₄ (as P)	mg/l	- $\pm$ -	- $\pm$ -	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	1615 $\pm$ 162	81.2	99.5	-0.03

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	21.45 $\pm$ 2.15	1.78	92.8	-0.38

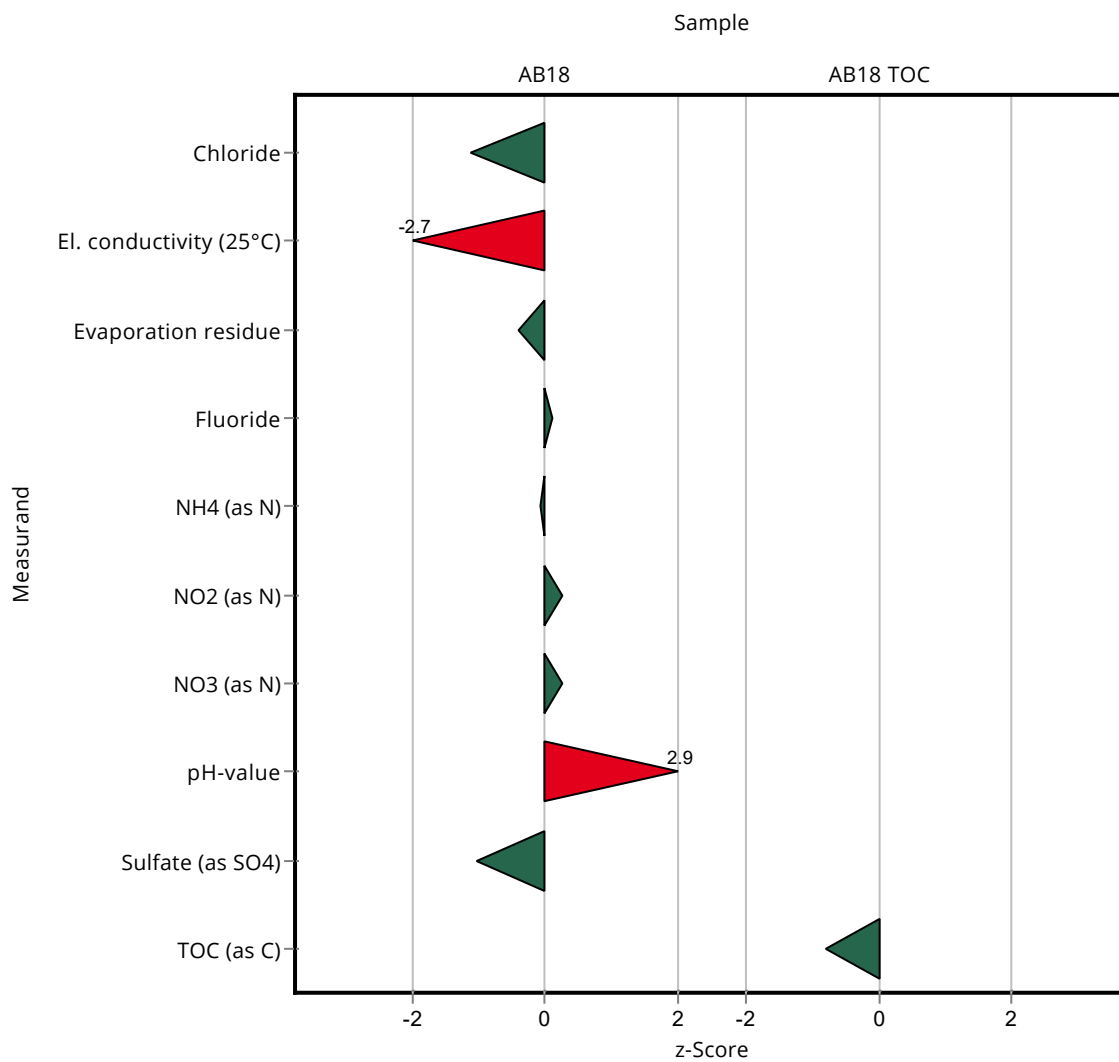


Sample: AB18

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	1670 $\pm$ 33.7	1575 $\pm$ 236	83.5	94.4	-1.13
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	710.5 $\pm$ 71	15	94.6	-2.68
Evaporation residue	mg/l	5840 $\pm$ 122	5611 $\pm$ 561	584	96	-0.40
Fluoride	mg/l	0.355 $\pm$ 0.0246	0.362 $\pm$ 0.0543	0.0675	102	0.10
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	0.334 $\pm$ 0.0334	0.0472	99.1	-0.06
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	0.254 $\pm$ 0.0254	0.0211	102	0.27
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	2.75 $\pm$ 0.412	0.216	102	0.25
pH-value		7.02 $\pm$ 0.0466	7.42 $\pm$ 0.05	0.14	106	2.85
PO ₄ (as P)	mg/l	- $\pm$ -	0.022 $\pm$ 0.0044	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	1540 $\pm$ 231	81.2	94.8	-1.03

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	21.7 $\pm$ 2.17	1.78	93.9	-0.79



Summary of results Waste acc to landfill directive (eluate ions) - AB18 - En-Score

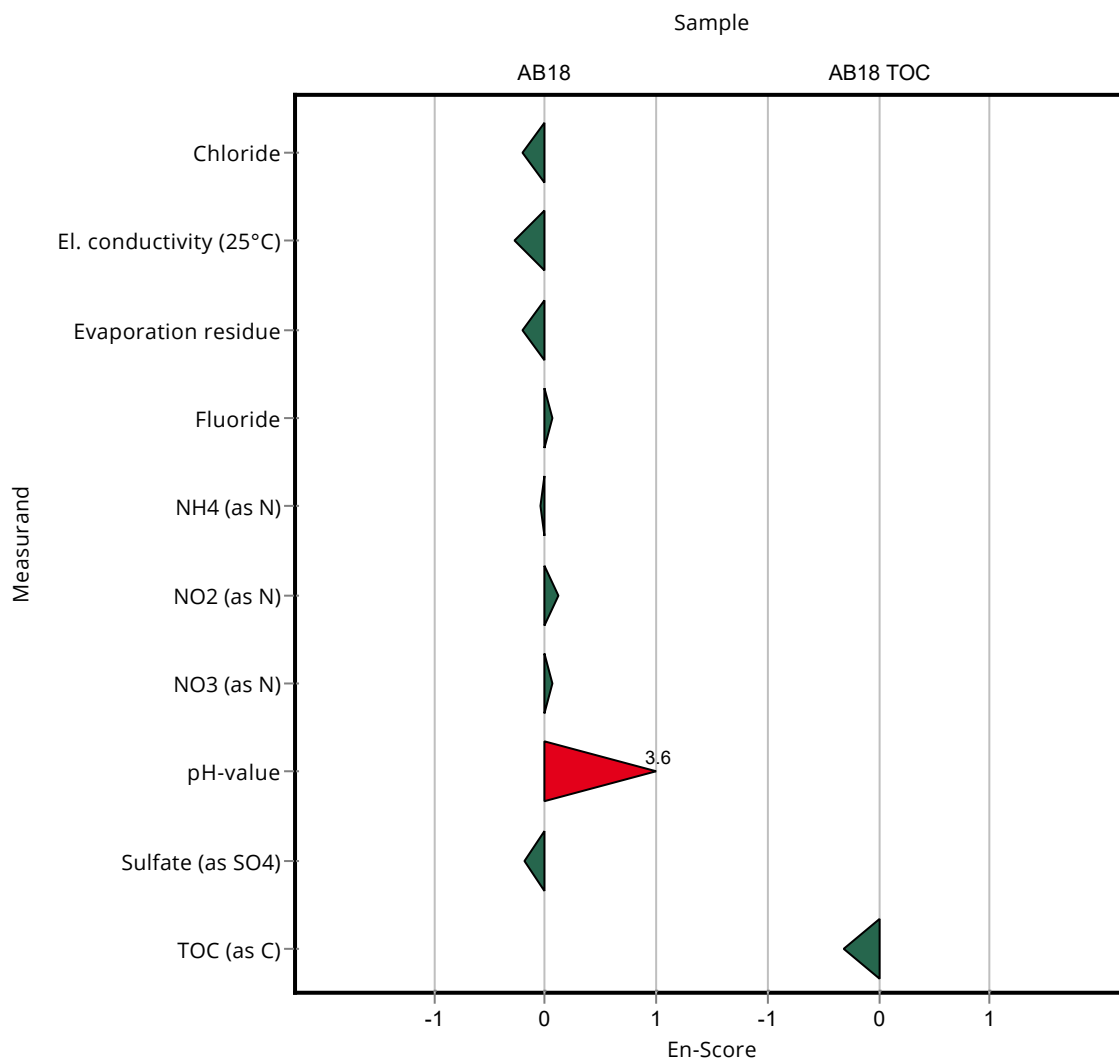
Labcode: LC0005

Sample: AB18

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	1670 $\pm$ 33.7	1575 $\pm$ 236	83.5	94.4	-0.20
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	710.5 $\pm$ 71	15	94.6	-0.28
Evaporation residue	mg/l	5840 $\pm$ 122	5611 $\pm$ 561	584	96	-0.21
Fluoride	mg/l	0.355 $\pm$ 0.0246	0.362 $\pm$ 0.0543	0.0675	102	0.06
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	0.334 $\pm$ 0.0334	0.0472	99.1	-0.04
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	0.254 $\pm$ 0.0254	0.0211	102	0.11
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	2.75 $\pm$ 0.412	0.216	102	0.07
pH-value		7.02 $\pm$ 0.0466	7.42 $\pm$ 0.05	0.14	106	3.63
PO ₄ (as P)	mg/l	- $\pm$ -	0.022 $\pm$ 0.0044	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	1540 $\pm$ 231	81.2	94.8	-0.18

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	21.7 $\pm$ 2.17	1.78	93.9	-0.32

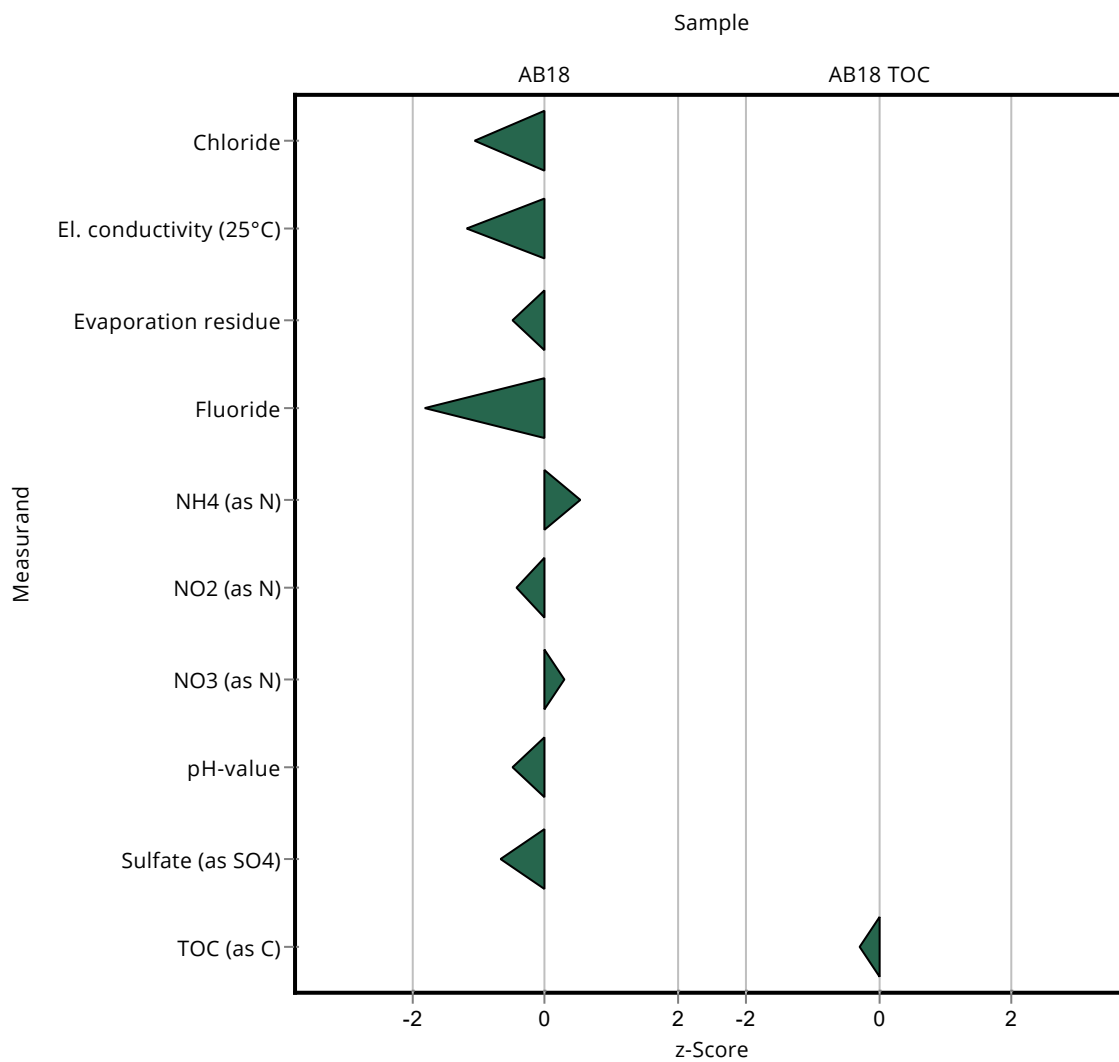


Sample: AB18

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	1670 $\pm$ 33.7	1580 $\pm$ 160	83.5	94.7	-1.07
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	733 $\pm$ 73	15	97.6	-1.19
Evaporation residue	mg/l	5840 $\pm$ 122	5560 $\pm$ 560	584	95.2	-0.48
Fluoride	mg/l	0.355 $\pm$ 0.0246	0.233 $\pm$ 0.023	0.0675	65.6	-1.81
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	0.362 $\pm$ 0.036	0.0472	107	0.53
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	0.239 $\pm$ 0.024	0.0211	96.2	-0.44
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	2.76 $\pm$ 0.28	0.216	102	0.30
pH-value		7.02 $\pm$ 0.0466	6.95 $\pm$ 0.2	0.14	99	-0.49
PO ₄ (as P)	mg/l	- $\pm$ -	0.043 $\pm$ 0.0043	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	1570 $\pm$ 160	81.2	96.7	-0.66

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	22.6 $\pm$ 2.3	1.78	97.8	-0.29



Summary of results Waste acc to landfill directive (eluate ions) - AB18 - En-Score

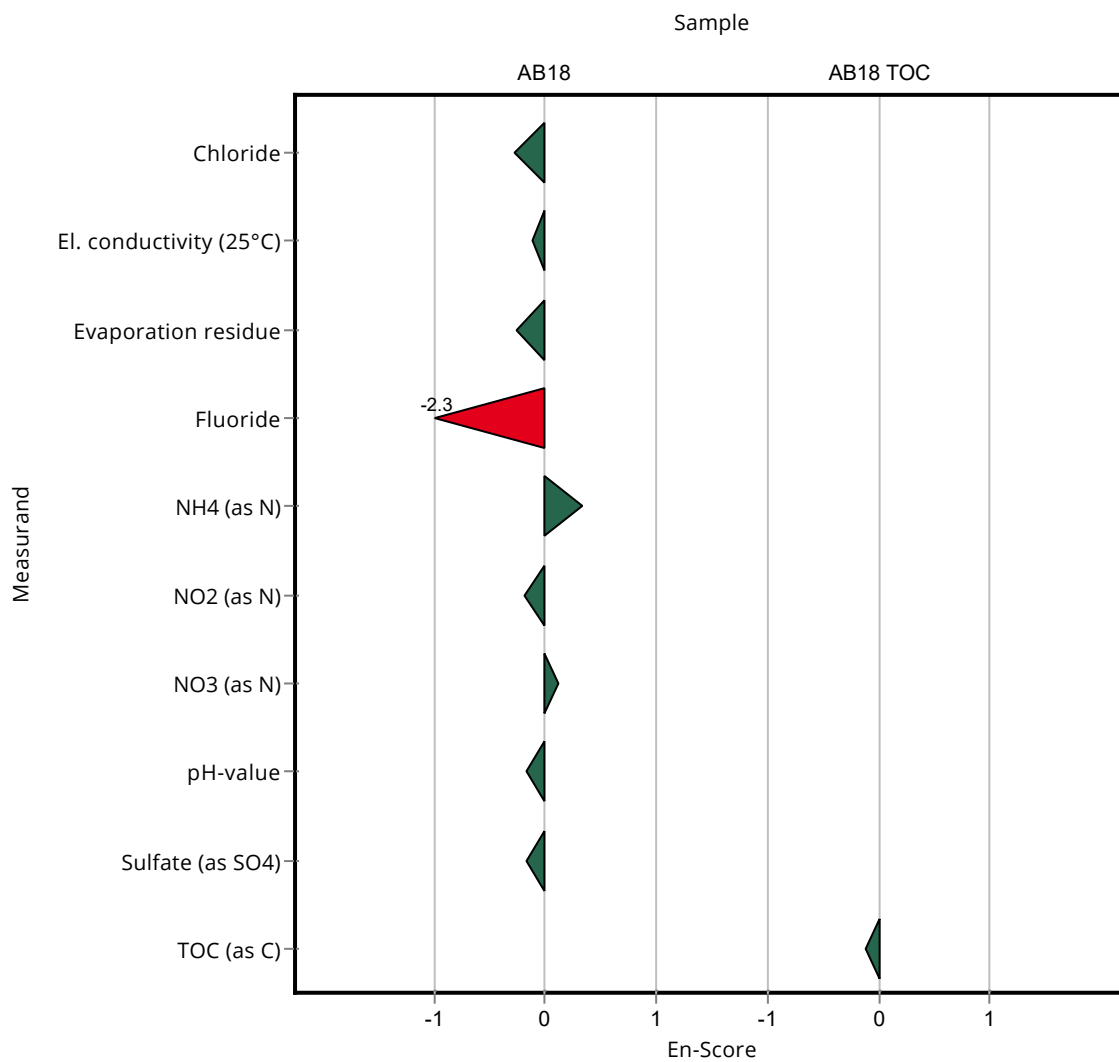
Labcode: LC0006

Sample: AB18

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	1670 $\pm$ 33.7	1580 $\pm$ 160	83.5	94.7	-0.28
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	733 $\pm$ 73	15	97.6	-0.12
Evaporation residue	mg/l	5840 $\pm$ 122	5560 $\pm$ 560	584	95.2	-0.25
Fluoride	mg/l	0.355 $\pm$ 0.0246	0.233 $\pm$ 0.023	0.0675	65.6	-2.35
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	0.362 $\pm$ 0.036	0.0472	107	0.34
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	0.239 $\pm$ 0.024	0.0211	96.2	-0.19
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	2.76 $\pm$ 0.28	0.216	102	0.11
pH-value		7.02 $\pm$ 0.0466	6.95 $\pm$ 0.2	0.14	99	-0.17
PO ₄ (as P)	mg/l	- $\pm$ -	0.043 $\pm$ 0.0043	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	1570 $\pm$ 160	81.2	96.7	-0.17

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	22.6 $\pm$ 2.3	1.78	97.8	-0.11

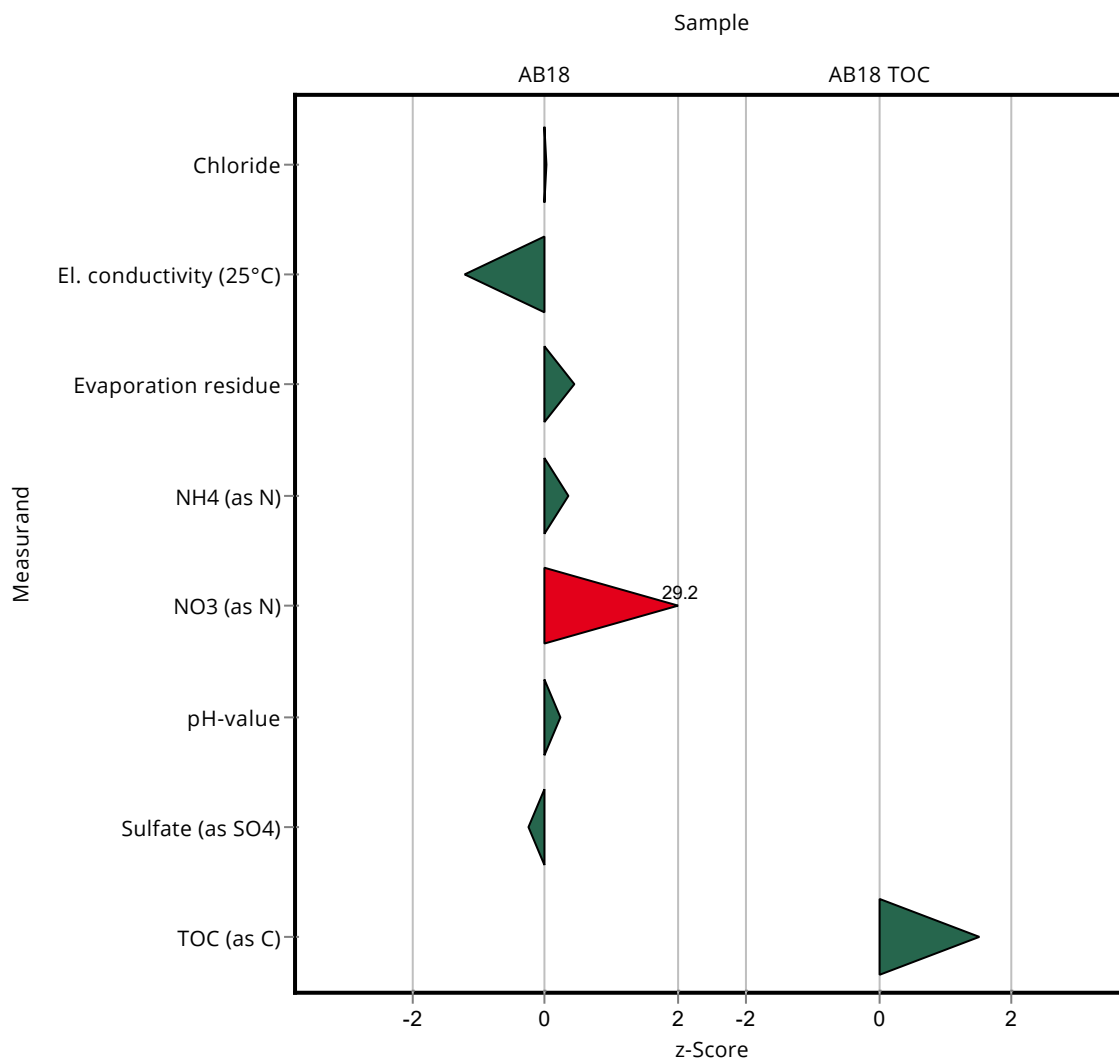


Sample: AB18

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	1670 $\pm$ 33.7	1670 $\pm$ 80	83.5	100	0.01
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	732.5 $\pm$ 20	15	97.6	-1.22
Evaporation residue	mg/l	5840 $\pm$ 122	6097 $\pm$ 50	584	104	0.44
Fluoride	mg/l	0.355 $\pm$ 0.0246	<1 (LOQ) $\pm$ -	0.0675	-	-
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	0.353 $\pm$ 0.05	0.0472	105	0.34
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	<0.1 (LOQ) $\pm$ -	0.0211	-	-
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	9.002 $\pm$ 0.5	0.216	334	29.25
pH-value		7.02 $\pm$ 0.0466	7.05 $\pm$ 0.05	0.14	100	0.22
PO ₄ (as P)	mg/l	- $\pm$ -	0.0701 $\pm$ 0.02	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	1604 $\pm$ 100	81.2	98.8	-0.24

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	25.8 $\pm$ 2	1.78	112	1.51



Summary of results Waste acc to landfill directive (eluate ions) - AB18 - En-Score

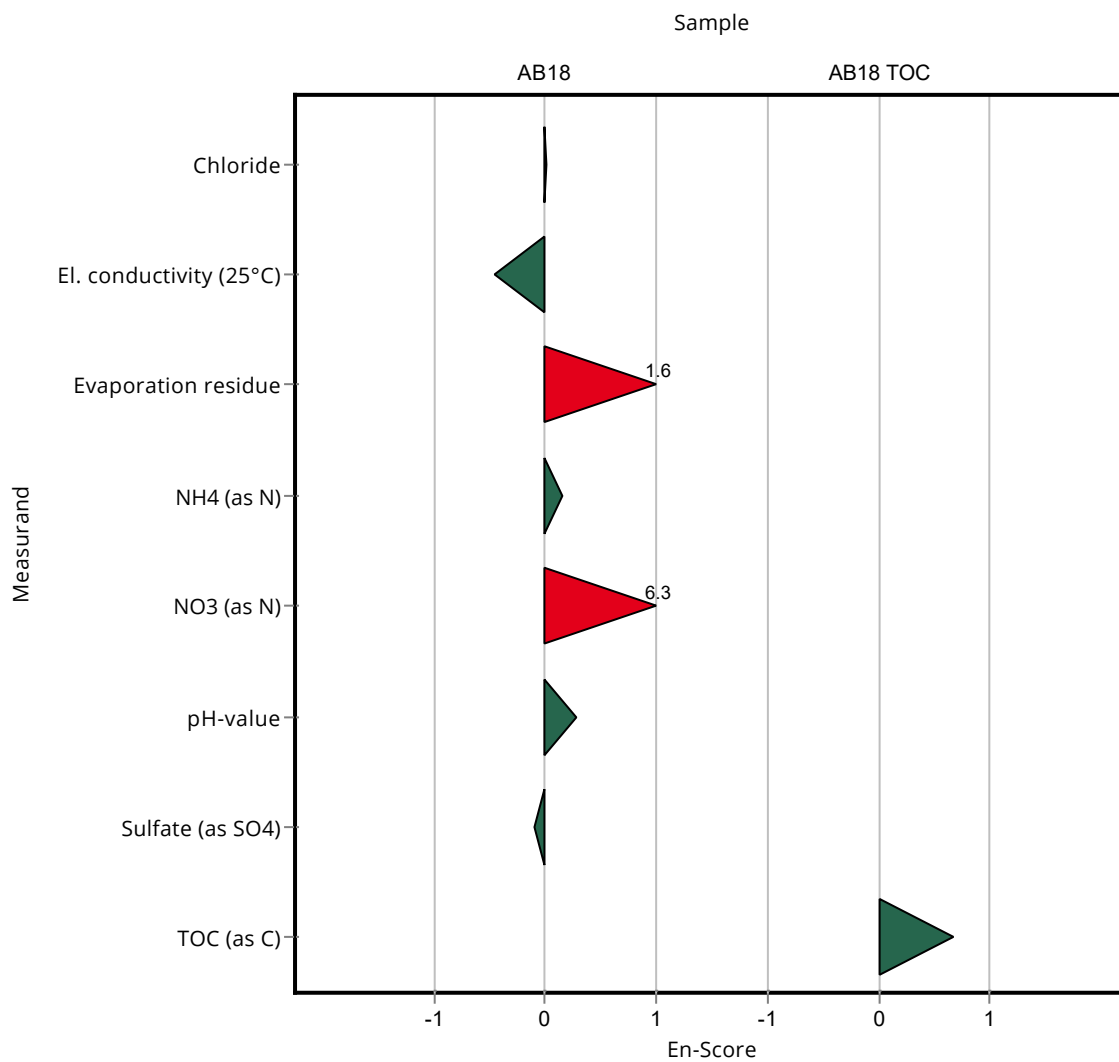
Labcode: LC0007

Sample: AB18

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	1670 $\pm$ 33.7	1670 $\pm$ 80	83.5	100	0.01
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	732.5 $\pm$ 20	15	97.6	-0.45
Evaporation residue	mg/l	5840 $\pm$ 122	6097 $\pm$ 50	584	104	1.61
Fluoride	mg/l	0.355 $\pm$ 0.0246	<1 (LOQ) $\pm$ -	0.0675	-	-
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	0.353 $\pm$ 0.05	0.0472	105	0.16
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	<0.1 (LOQ) $\pm$ -	0.0211	-	-
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	9.002 $\pm$ 0.5	0.216	334	6.28
pH-value		7.02 $\pm$ 0.0466	7.05 $\pm$ 0.05	0.14	100	0.28
PO ₄ (as P)	mg/l	- $\pm$ -	0.0701 $\pm$ 0.02	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	1604 $\pm$ 100	81.2	98.8	-0.10

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	25.8 $\pm$ 2	1.78	112	0.66

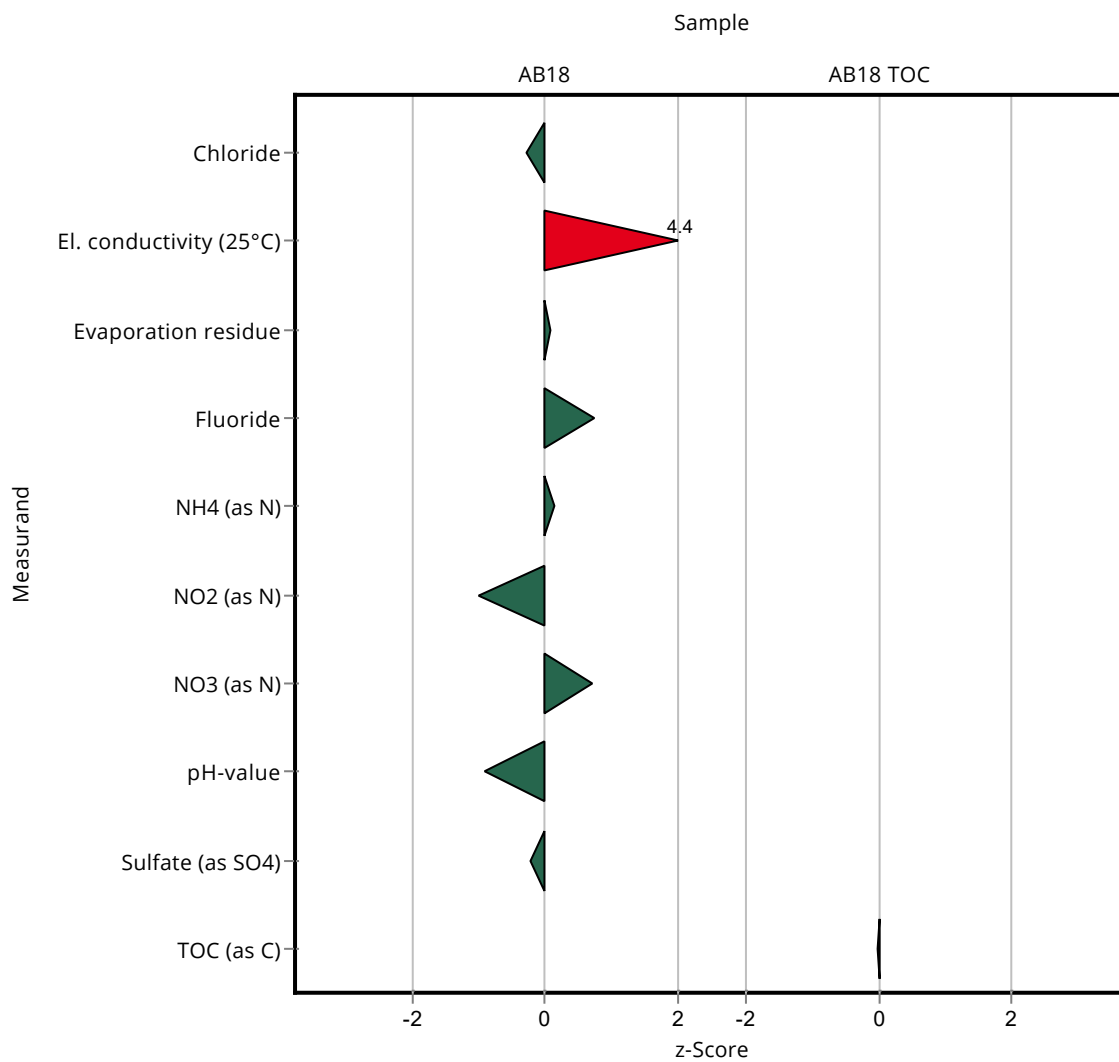


Sample: AB18

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	1670 $\pm$ 33.7	1645.0115 $\pm$ 246.75165	83.5	98.6	-0.29
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	817.09 $\pm$ 81.709	15	109	4.41
Evaporation residue	mg/l	5840 $\pm$ 122	5891 $\pm$ 1472.75	584	101	0.08
Fluoride	mg/l	0.355 $\pm$ 0.0246	0.4043 $\pm$ 0.060645	0.0675	114	0.72
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	0.343 $\pm$ 0.08575	0.0472	102	0.13
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	0.227 $\pm$ 0.05675	0.0211	91.4	-1.01
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	2.8449 $\pm$ 0.711225	0.216	106	0.69
pH-value		7.02 $\pm$ 0.0466	6.89 $\pm$ 0.689	0.14	98.2	-0.92
PO ₄ (as P)	mg/l	- $\pm$ -	<0.1 (LOQ) $\pm$ -	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	1606.317 $\pm$ 240.94755	81.2	98.9	-0.21

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	23.094 $\pm$ 5.7735	1.78	99.9	-0.01



Summary of results Waste acc to landfill directive (eluate ions) - AB18 - En-Score

Labcode: LC0008

Sample: AB18

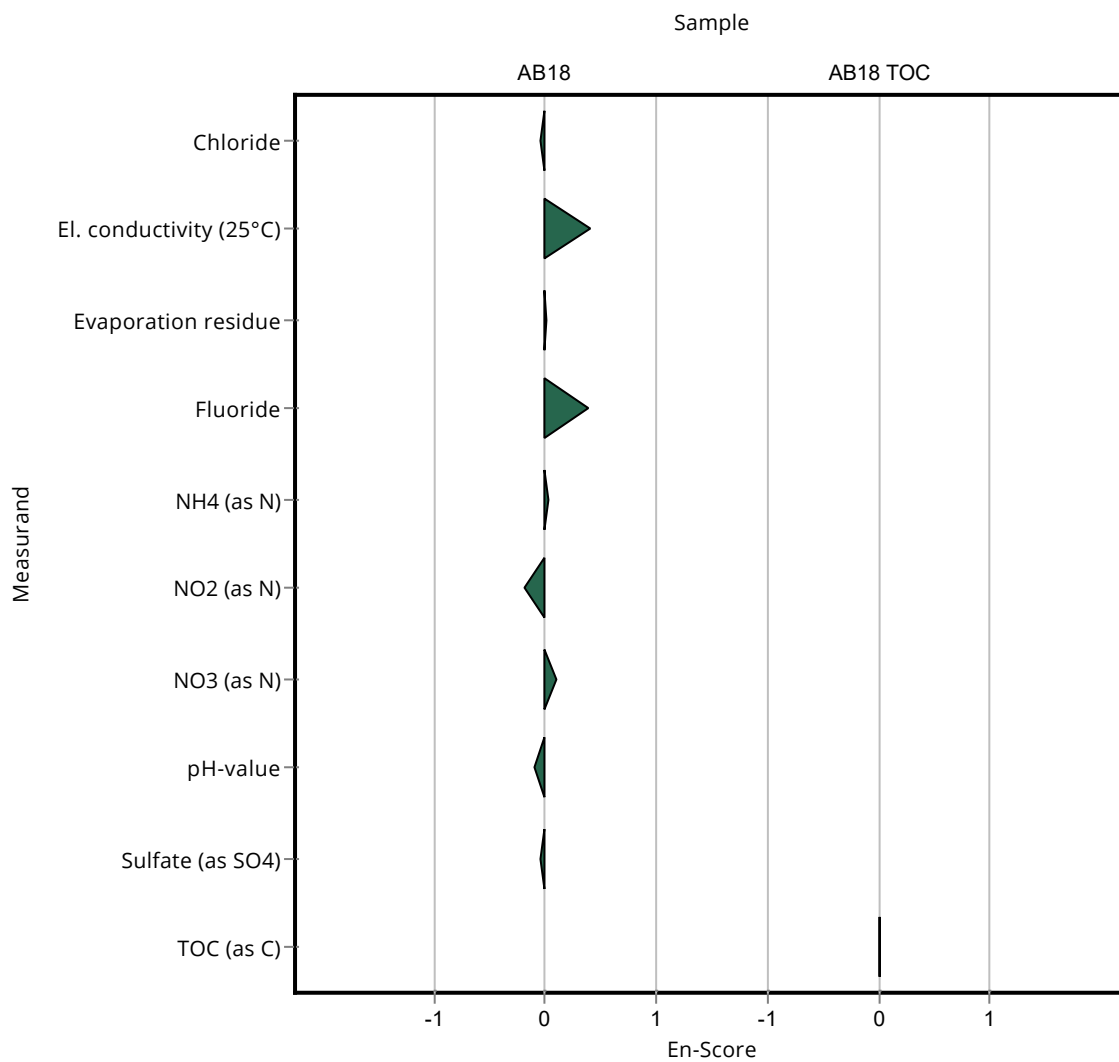
Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	1670 $\pm$ 33.7	1645.0115 $\pm$ 246.75165	83.5	98.6	-0.05
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	817.09 $\pm$ 81.709	15	109	0.41
Evaporation residue	mg/l	5840 $\pm$ 122	5891 $\pm$ 1472.75	584	101	0.02
Fluoride	mg/l	0.355 $\pm$ 0.0246	0.4043 $\pm$ 0.060645	0.0675	114	0.39
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	0.343 $\pm$ 0.08575	0.0472	102	0.04
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	0.227 $\pm$ 0.05675	0.0211	91.4	-0.19
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	2.8449 $\pm$ 0.711225	0.216	106	0.10
pH-value		7.02 $\pm$ 0.0466	6.89 $\pm$ 0.689	0.14	98.2	-0.09
PO ₄ (as P)	mg/l	- $\pm$ -	<0.1 (LOQ) $\pm$ -	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	1606.317 $\pm$ 240.94755	81.2	98.9	-0.04

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	23.094 $\pm$ 5.7735	1.78	99.9	0.00

Summary of results Waste acc to landfill directive (eluate ions) - AB18 - En-Score

Labcode: LC0008

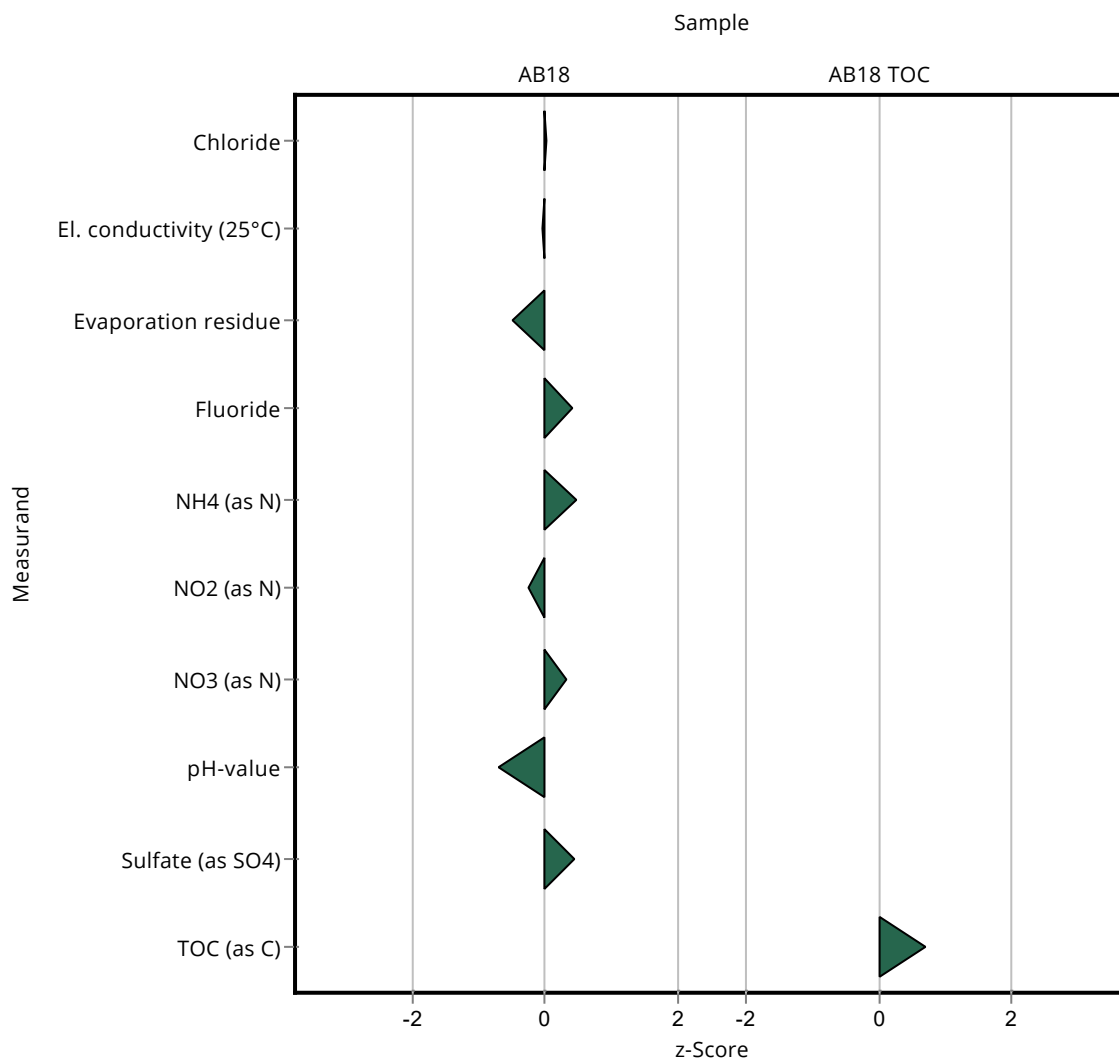


Sample: AB18

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	1670 $\pm$ 33.7	1670 $\pm$ 32.6	83.5	100	0.01
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	750 $\pm$ 21.8	15	99.9	-0.05
Evaporation residue	mg/l	5840 $\pm$ 122	5548 $\pm$ 405	584	95	-0.50
Fluoride	mg/l	0.355 $\pm$ 0.0246	0.383 $\pm$ 0.0172	0.0675	108	0.41
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	0.359 $\pm$ 0.0253	0.0472	107	0.47
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	0.243 $\pm$ 0.0152	0.0211	97.9	-0.25
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	2.765 $\pm$ 0.15	0.216	103	0.32
pH-value		7.02 $\pm$ 0.0466	6.92 $\pm$ 0.15	0.14	98.6	-0.71
PO ₄ (as P)	mg/l	- $\pm$ -	0.0612 $\pm$ 0.0049	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	1660 $\pm$ 43.2	81.2	102	0.45

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	24.35 $\pm$ 1.911	1.78	105	0.70



Summary of results Waste acc to landfill directive (eluate ions) - AB18 - En-Score

Labcode: LC0009

Sample: AB18

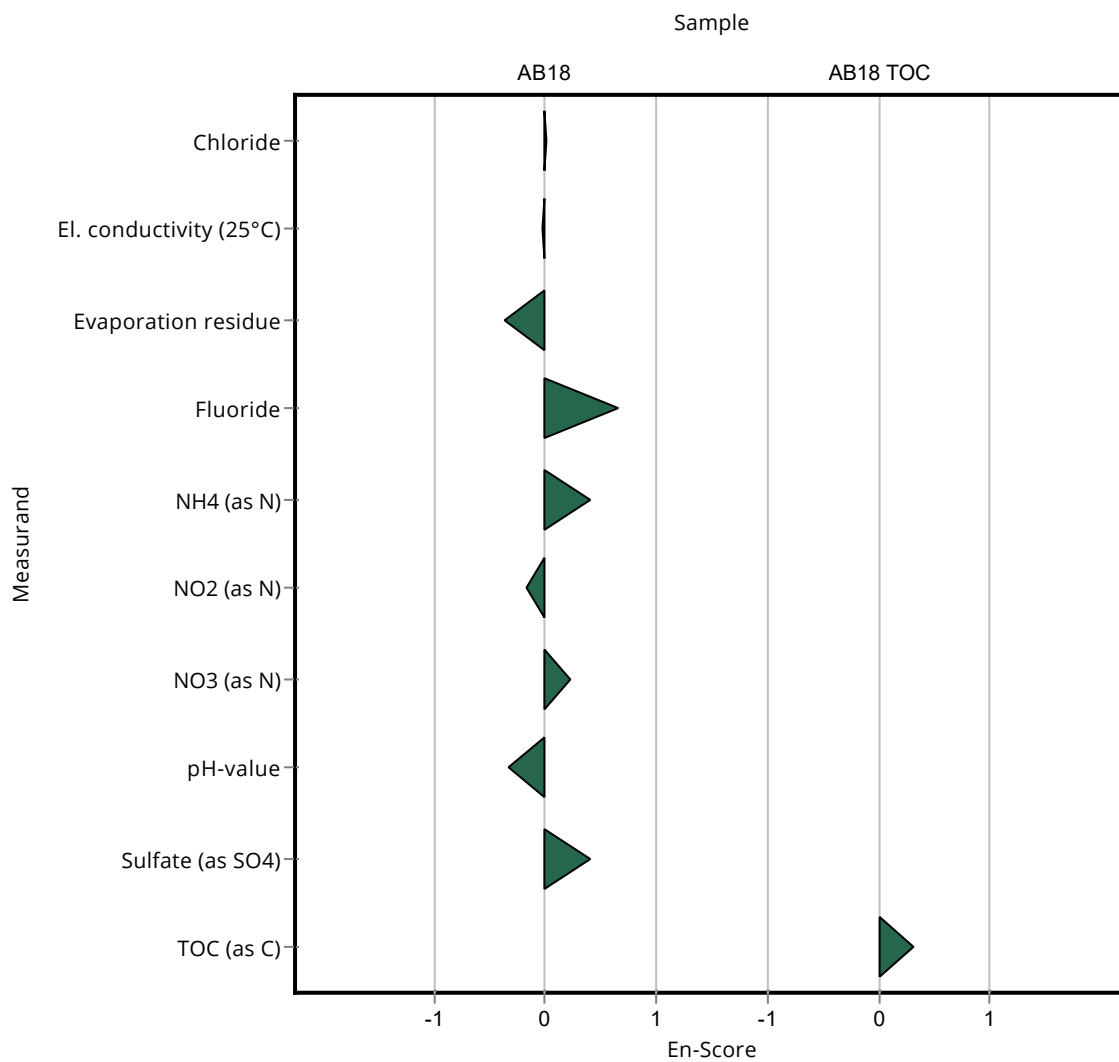
Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	1670 $\pm$ 33.7	1670 $\pm$ 32.6	83.5	100	0.01
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	750 $\pm$ 21.8	15	99.9	-0.02
Evaporation residue	mg/l	5840 $\pm$ 122	5548 $\pm$ 405	584	95	-0.36
Fluoride	mg/l	0.355 $\pm$ 0.0246	0.383 $\pm$ 0.0172	0.0675	108	0.65
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	0.359 $\pm$ 0.0253	0.0472	107	0.41
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	0.243 $\pm$ 0.0152	0.0211	97.9	-0.17
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	2.765 $\pm$ 0.15	0.216	103	0.22
pH-value		7.02 $\pm$ 0.0466	6.92 $\pm$ 0.15	0.14	98.6	-0.33
PO ₄ (as P)	mg/l	- $\pm$ -	0.0612 $\pm$ 0.0049	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	1660 $\pm$ 43.2	81.2	102	0.41

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	24.35 $\pm$ 1.911	1.78	105	0.32

Summary of results Waste acc to landfill directive (eluate ions) - AB18 - En-Score

Labcode: LC0009

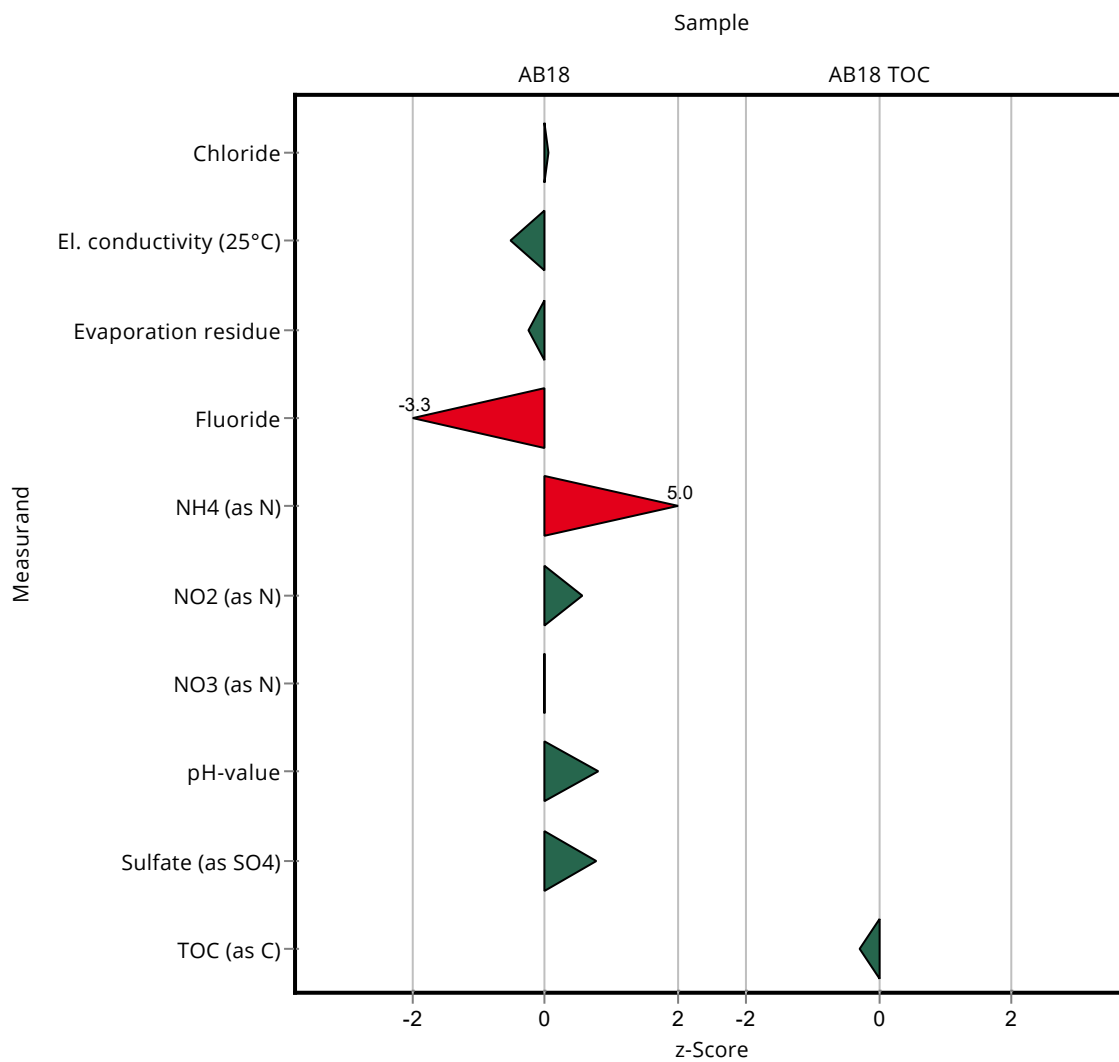


Sample: AB18

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	1670 $\pm$ 33.7	1673 $\pm$ 18.2	83.5	100	0.05
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	743 $\pm$ 3.27	15	99	-0.52
Evaporation residue	mg/l	5840 $\pm$ 122	5701 $\pm$ 245	584	97.6	-0.24
Fluoride	mg/l	0.355 $\pm$ 0.0246	0.13 $\pm$ 0.002	0.0675	36.6	-3.34
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	0.571 $\pm$ 0.035	0.0472	169	4.96
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	0.26 $\pm$ 0.011	0.0211	105	0.55
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	2.69 $\pm$ 0.031	0.216	99.8	-0.02
pH-value		7.02 $\pm$ 0.0466	7.13 $\pm$ 0.022	0.14	102	0.79
PO ₄ (as P)	mg/l	- $\pm$ -	0.402 $\pm$ 0.026	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	1687 $\pm$ 19.9	81.2	104	0.78

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	22.59 $\pm$ 0.84	1.78	97.8	-0.29



Summary of results Waste acc to landfill directive (eluate ions) - AB18 - En-Score

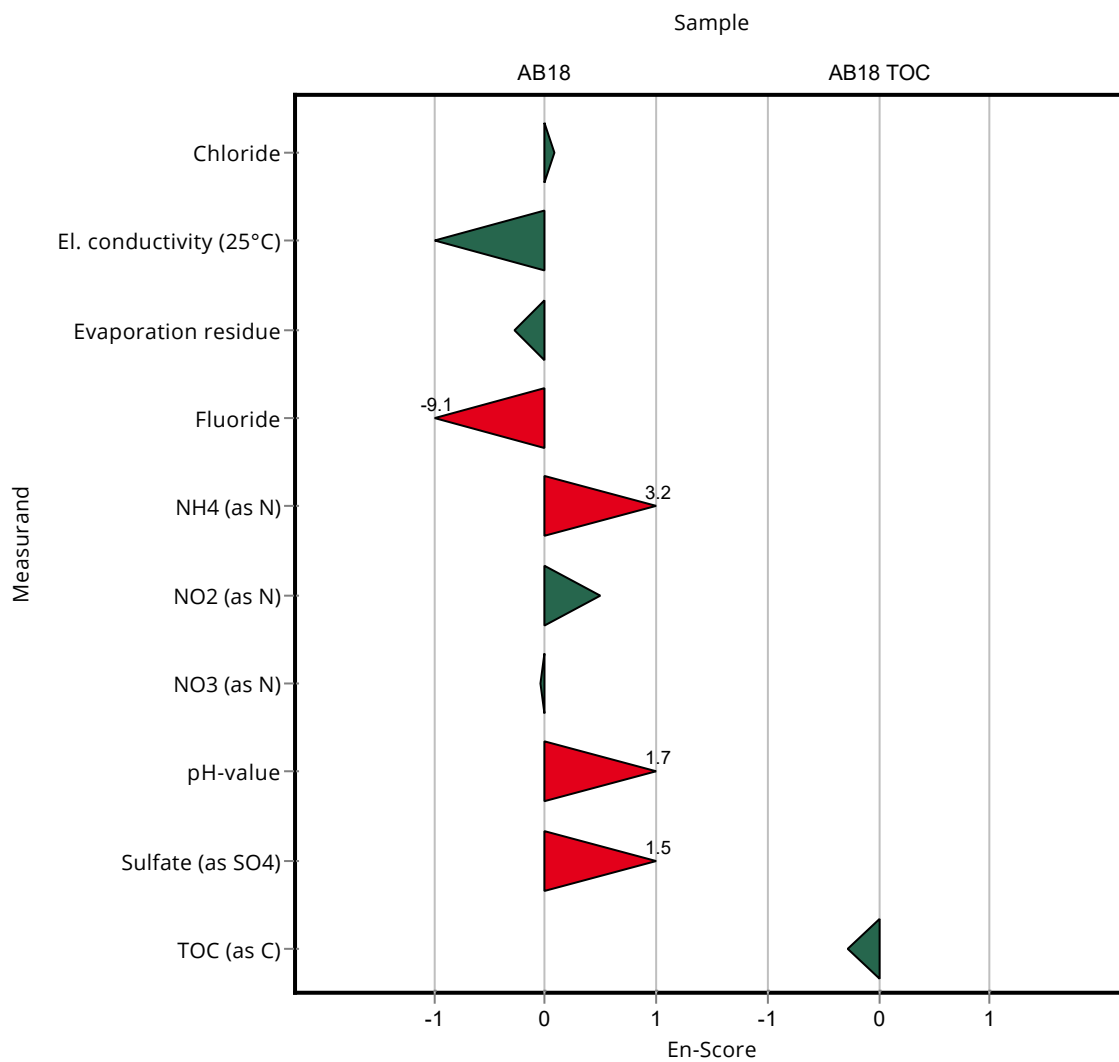
Labcode: LC0010

Sample: AB18

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	1670 $\pm$ 33.7	1673 $\pm$ 18.2	83.5	100	0.08
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	743 $\pm$ 3.27	15	99	-1.00
Evaporation residue	mg/l	5840 $\pm$ 122	5701 $\pm$ 245	584	97.6	-0.28
Fluoride	mg/l	0.355 $\pm$ 0.0246	0.13 $\pm$ 0.002	0.0675	36.6	-9.05
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	0.571 $\pm$ 0.035	0.0472	169	3.23
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	0.26 $\pm$ 0.011	0.0211	105	0.50
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	2.69 $\pm$ 0.031	0.216	99.8	-0.05
pH-value		7.02 $\pm$ 0.0466	7.13 $\pm$ 0.022	0.14	102	1.73
PO ₄ (as P)	mg/l	- $\pm$ -	0.402 $\pm$ 0.026	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	1687 $\pm$ 19.9	81.2	104	1.46

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	22.59 $\pm$ 0.84	1.78	97.8	-0.29

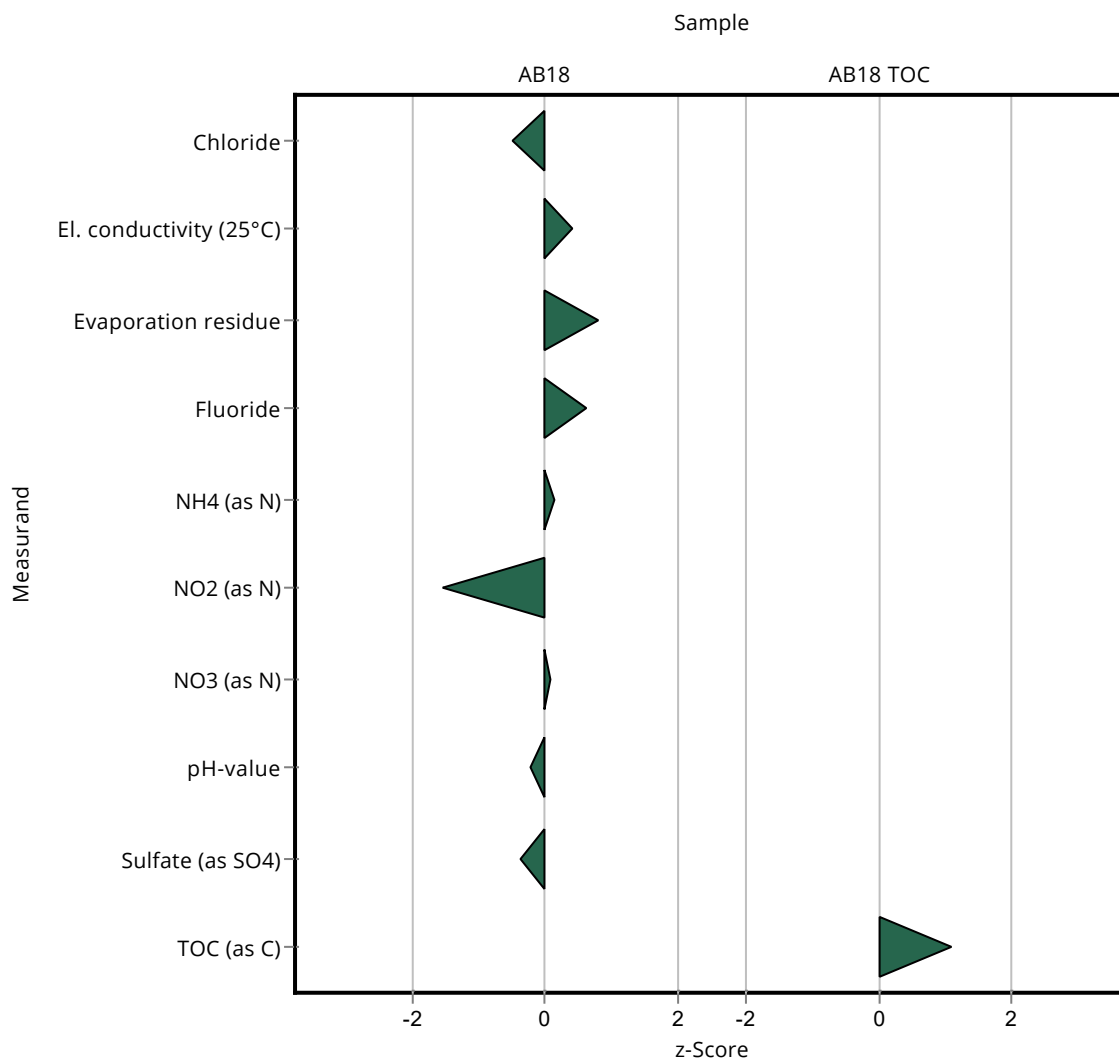


Sample: AB18

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	1670 $\pm$ 33.7	1629 $\pm$ 113	83.5	97.6	-0.48
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	757 $\pm$ 16	15	101	0.41
Evaporation residue	mg/l	5840 $\pm$ 122	6299 $\pm$ 721	584	108	0.78
Fluoride	mg/l	0.355 $\pm$ 0.0246	0.397 $\pm$ 0.04	0.0675	112	0.62
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	0.343 $\pm$ 0.09	0.0472	102	0.13
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	0.216 $\pm$ 0.029	0.0211	87	-1.53
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	2.71 $\pm$ 0.26	0.216	101	0.07
pH-value		7.02 $\pm$ 0.0466	6.99 $\pm$ 0.27	0.14	99.6	-0.21
PO ₄ (as P)	mg/l	- $\pm$ -	0.079 $\pm$ 0.011	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	1594 $\pm$ 98.8	81.2	98.2	-0.37

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	25.03 $\pm$ 2.13	1.78	108	1.08



Summary of results Waste acc to landfill directive (eluate ions) - AB18 - En-Score

Labcode: LC0011

Sample: AB18

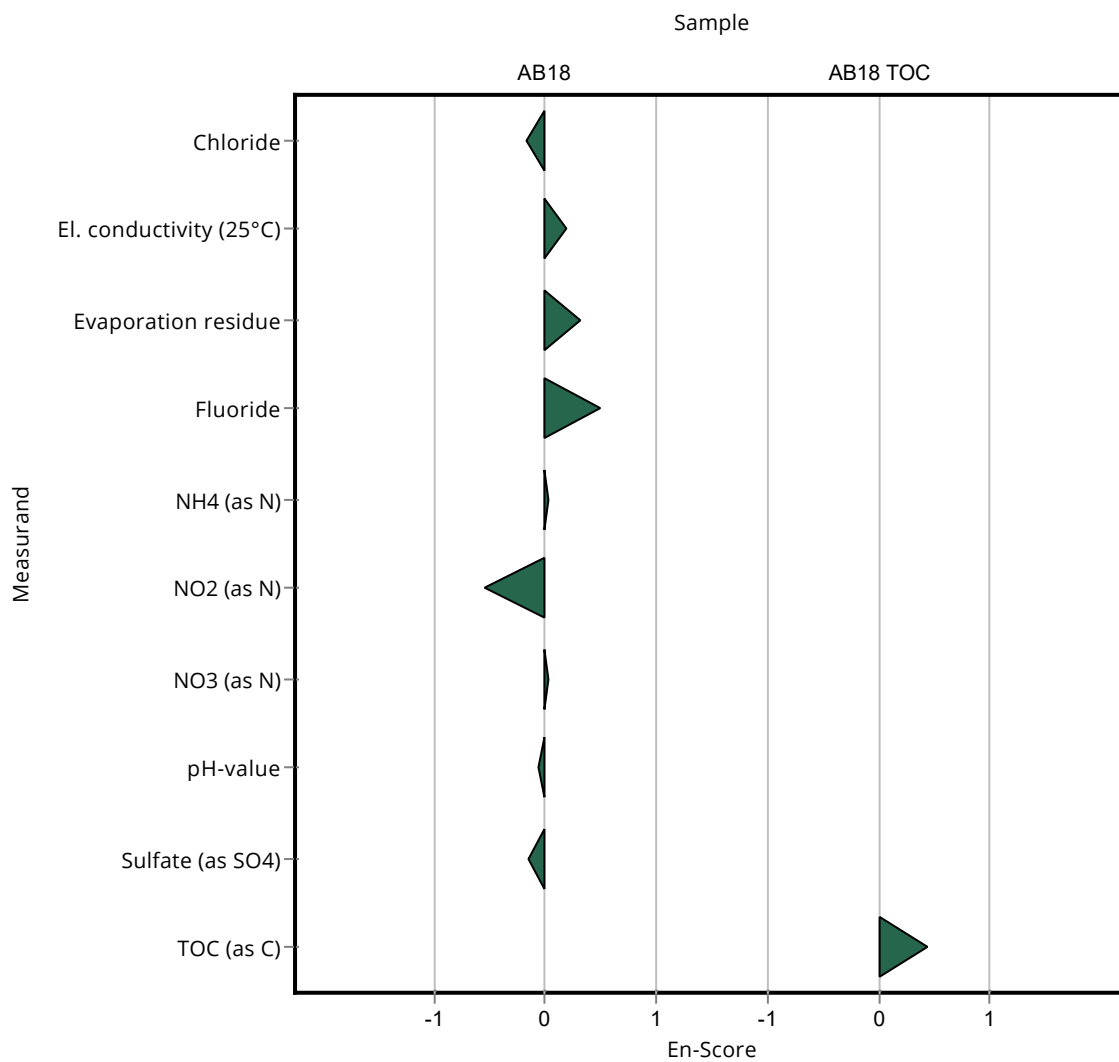
Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	1670 $\pm$ 33.7	1629 $\pm$ 113	83.5	97.6	-0.18
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	757 $\pm$ 16	15	101	0.19
Evaporation residue	mg/l	5840 $\pm$ 122	6299 $\pm$ 721	584	108	0.32
Fluoride	mg/l	0.355 $\pm$ 0.0246	0.397 $\pm$ 0.04	0.0675	112	0.50
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	0.343 $\pm$ 0.09	0.0472	102	0.03
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	0.216 $\pm$ 0.029	0.0211	87	-0.55
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	2.71 $\pm$ 0.26	0.216	101	0.03
pH-value		7.02 $\pm$ 0.0466	6.99 $\pm$ 0.27	0.14	99.6	-0.05
PO ₄ (as P)	mg/l	- $\pm$ -	0.079 $\pm$ 0.011	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	1594 $\pm$ 98.8	81.2	98.2	-0.15

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	25.03 $\pm$ 2.13	1.78	108	0.45

Summary of results Waste acc to landfill directive (eluate ions) - AB18 - En-Score

Labcode: LC0011

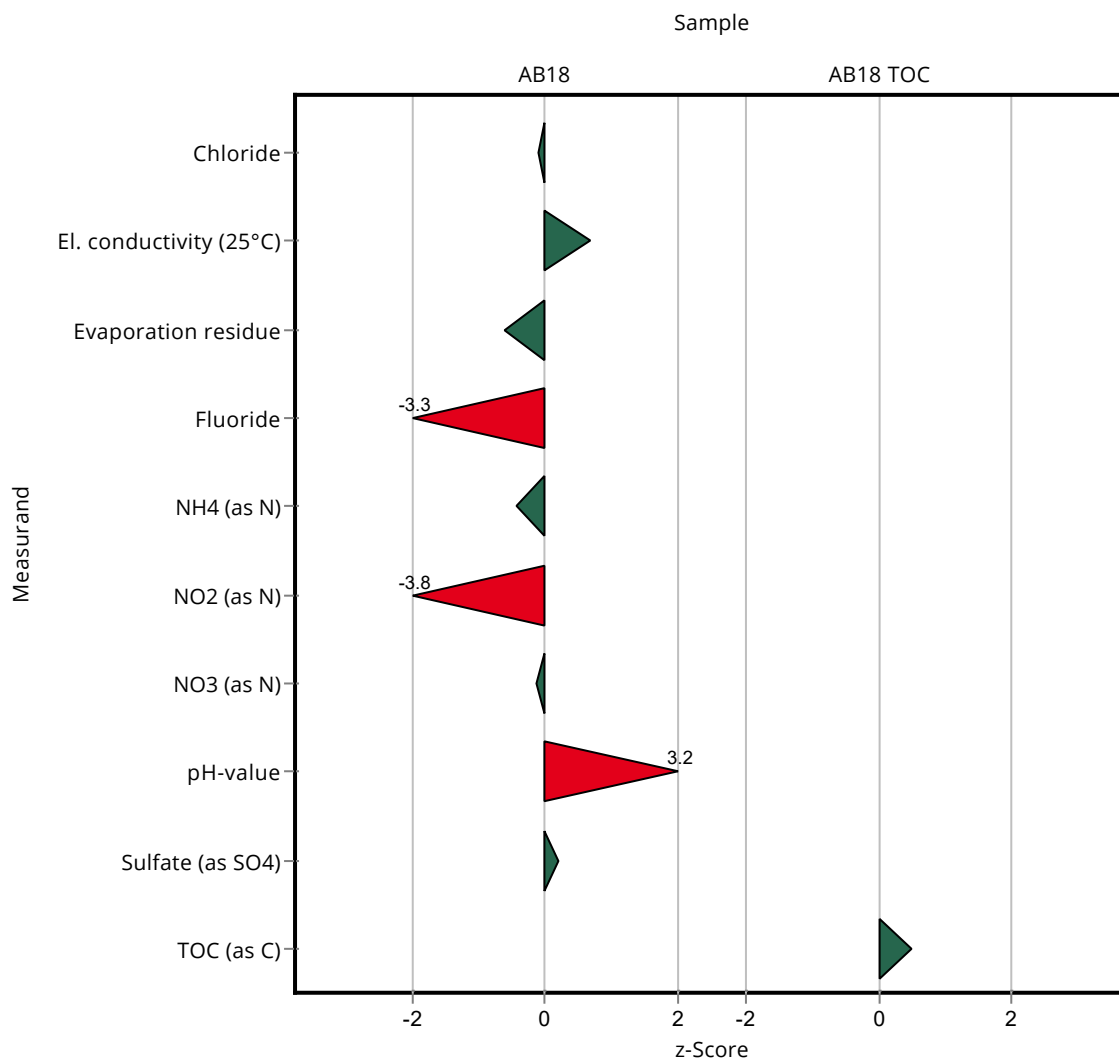


Sample: AB18

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	1670 $\pm$ 33.7	1660 $\pm$ 120	83.5	99.5	-0.11
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	761 $\pm$ 43	15	101	0.68
Evaporation residue	mg/l	5840 $\pm$ 122	5490 $\pm$ 230	584	94	-0.60
Fluoride	mg/l	0.355 $\pm$ 0.0246	0.13 $\pm$ 0.011	0.0675	36.6	-3.34
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	0.316 $\pm$ 0.023	0.0472	93.8	-0.44
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	0.168 $\pm$ 0.024	0.0211	67.7	-3.81
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	2.67 $\pm$ 0.25	0.216	99.1	-0.12
pH-value		7.02 $\pm$ 0.0466	7.47 $\pm$ 0.13	0.14	106	3.21
PO ₄ (as P)	mg/l	- $\pm$ -	0.173 $\pm$ 0.0092	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	1640 $\pm$ 110	81.2	101	0.20

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	24 $\pm$ 3.2	1.78	104	0.50



Summary of results Waste acc to landfill directive (eluate ions) - AB18 - En-Score

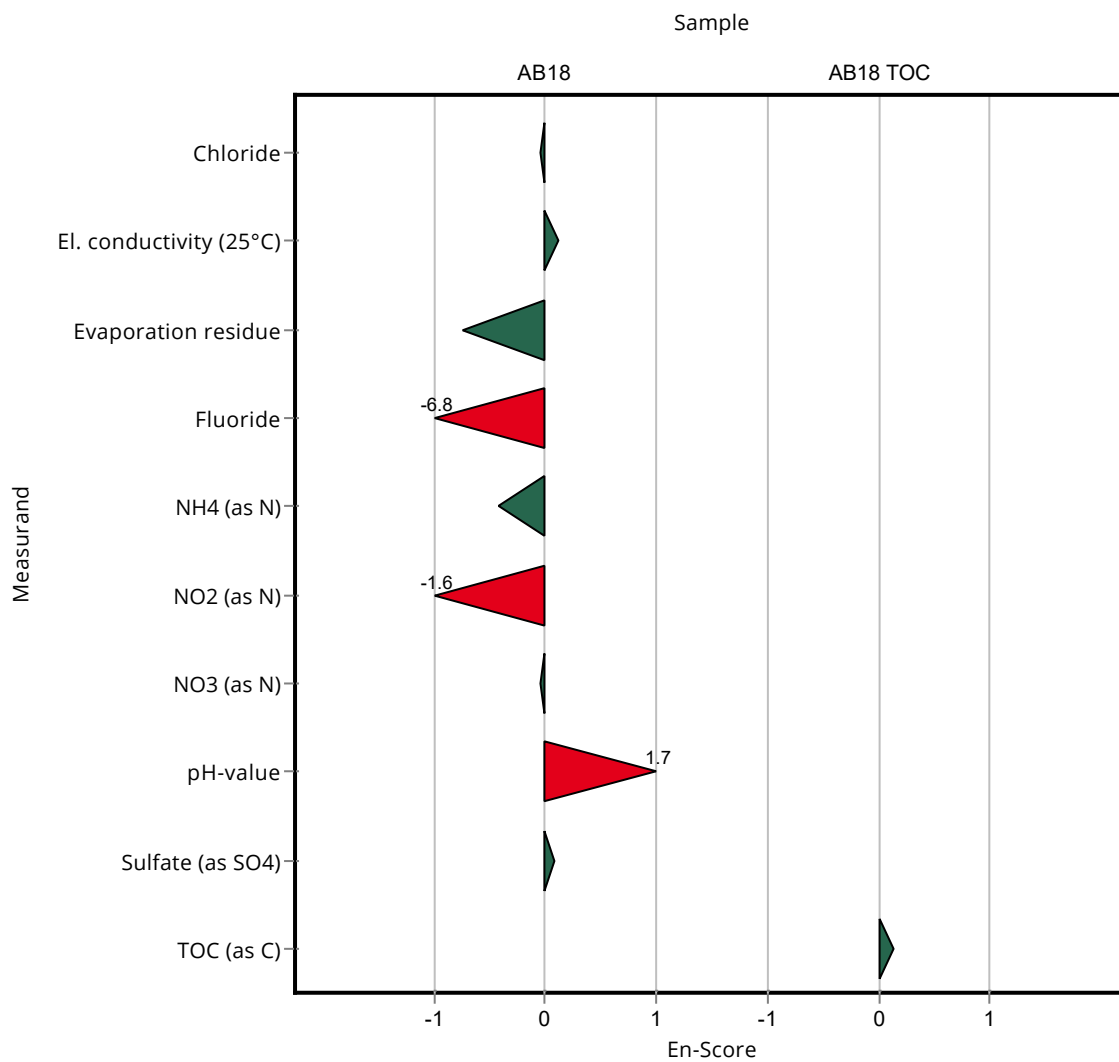
Labcode: LC0012

Sample: AB18

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	1670 $\pm$ 33.7	1660 $\pm$ 120	83.5	99.5	-0.04
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	761 $\pm$ 43	15	101	0.12
Evaporation residue	mg/l	5840 $\pm$ 122	5490 $\pm$ 230	584	94	-0.74
Fluoride	mg/l	0.355 $\pm$ 0.0246	0.13 $\pm$ 0.011	0.0675	36.6	-6.83
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	0.316 $\pm$ 0.023	0.0472	93.8	-0.42
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	0.168 $\pm$ 0.024	0.0211	67.7	-1.65
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	2.67 $\pm$ 0.25	0.216	99.1	-0.05
pH-value		7.02 $\pm$ 0.0466	7.47 $\pm$ 0.13	0.14	106	1.71
PO ₄ (as P)	mg/l	- $\pm$ -	0.173 $\pm$ 0.0092	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	1640 $\pm$ 110	81.2	101	0.07

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	24 $\pm$ 3.2	1.78	104	0.14

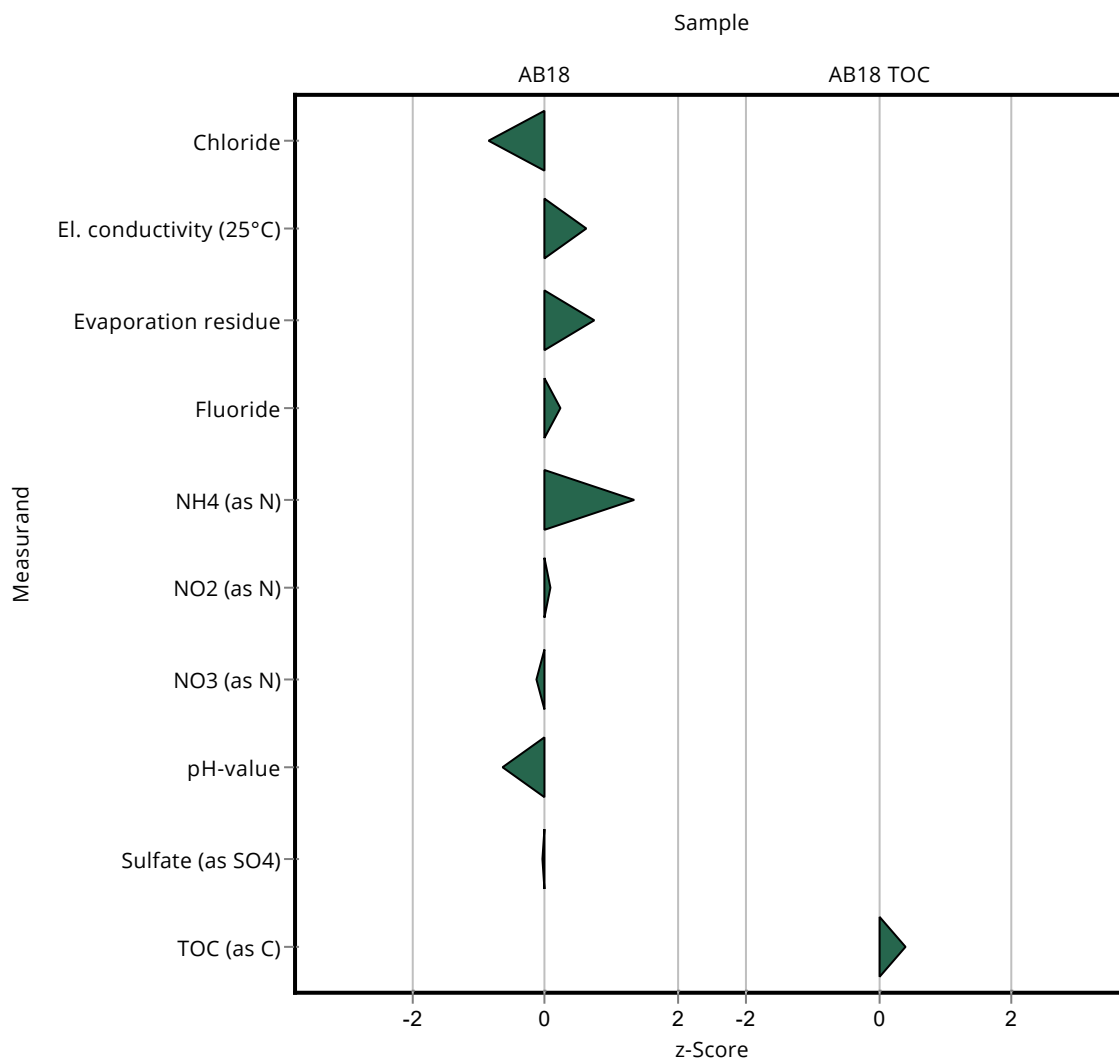


Sample: AB18

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	1670 $\pm$ 33.7	1599 $\pm$ 80	83.5	95.8	-0.84
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	760 $\pm$ 15.2	15	101	0.61
Evaporation residue	mg/l	5840 $\pm$ 122	6274 $\pm$ 565	584	107	0.74
Fluoride	mg/l	0.355 $\pm$ 0.0246	0.37 $\pm$ 0.034	0.0675	104	0.22
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	0.4 $\pm$ 0.043	0.0472	119	1.34
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	0.25 $\pm$ 0.038	0.0211	101	0.08
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	2.67 $\pm$ 0.214	0.216	99.1	-0.12
pH-value		7.02 $\pm$ 0.0466	6.93 $\pm$ 0.208	0.14	98.7	-0.64
PO ₄ (as P)	mg/l	- $\pm$ -	0.098 $\pm$ 0.013	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	1620 $\pm$ 130	81.2	99.8	-0.05

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	23.8 $\pm$ 1.43	1.78	103	0.39



Summary of results Waste acc to landfill directive (eluate ions) - AB18 - En-Score

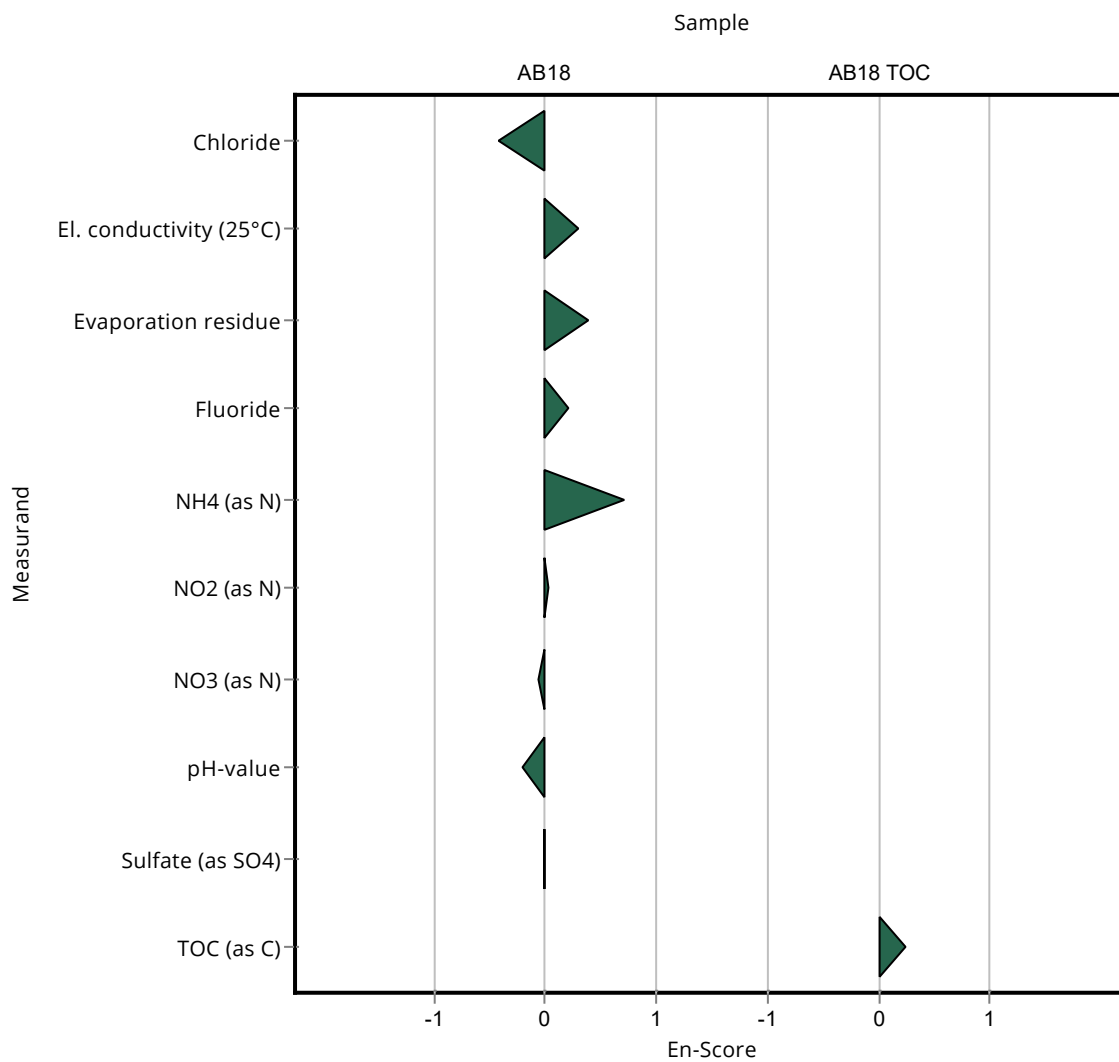
Labcode: LC0013

Sample: AB18

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	1670 $\pm$ 33.7	1599 $\pm$ 80	83.5	95.8	-0.43
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	760 $\pm$ 15.2	15	101	0.30
Evaporation residue	mg/l	5840 $\pm$ 122	6274 $\pm$ 565	584	107	0.38
Fluoride	mg/l	0.355 $\pm$ 0.0246	0.37 $\pm$ 0.034	0.0675	104	0.20
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	0.4 $\pm$ 0.043	0.0472	119	0.72
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	0.25 $\pm$ 0.038	0.0211	101	0.02
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	2.67 $\pm$ 0.214	0.216	99.1	-0.06
pH-value		7.02 $\pm$ 0.0466	6.93 $\pm$ 0.208	0.14	98.7	-0.21
PO ₄ (as P)	mg/l	- $\pm$ -	0.098 $\pm$ 0.013	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	1620 $\pm$ 130	81.2	99.8	-0.01

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	23.8 $\pm$ 1.43	1.78	103	0.24

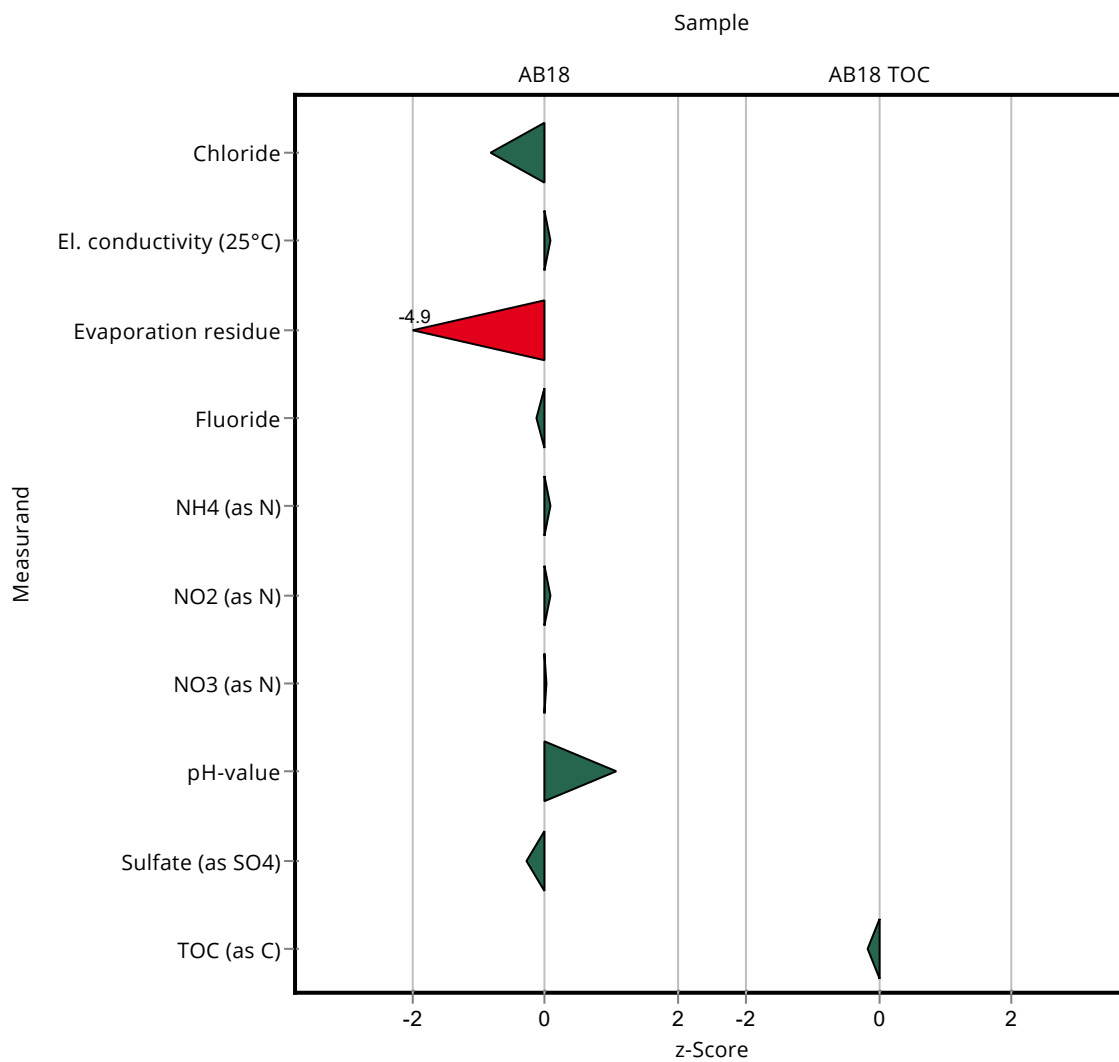


Sample: AB18

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	1670 $\pm$ 33.7	1600 $\pm$ 160	83.5	95.9	-0.83
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	752 $\pm$ 38	15	100	0.08
Evaporation residue	mg/l	5840 $\pm$ 122	3000 $\pm$ 450	584	51.3	-4.87
Fluoride	mg/l	0.355 $\pm$ 0.0246	0.347 $\pm$ 0.035	0.0675	97.6	-0.12
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	0.34 $\pm$ 0.041	0.0472	101	0.07
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	0.25 $\pm$ 0.038	0.0211	101	0.08
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	2.7 $\pm$ 0.41	0.216	100	0.02
pH-value		7.02 $\pm$ 0.0466	7.17 $\pm$ 0.3	0.14	102	1.07
PO ₄ (as P)	mg/l	- $\pm$ -	0.0648 $\pm$ 0.013	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	1600 $\pm$ 160	81.2	98.5	-0.29

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	22.8 $\pm$ 5.7	1.78	98.7	-0.17



Summary of results Waste acc to landfill directive (eluate ions) - AB18 - En-Score

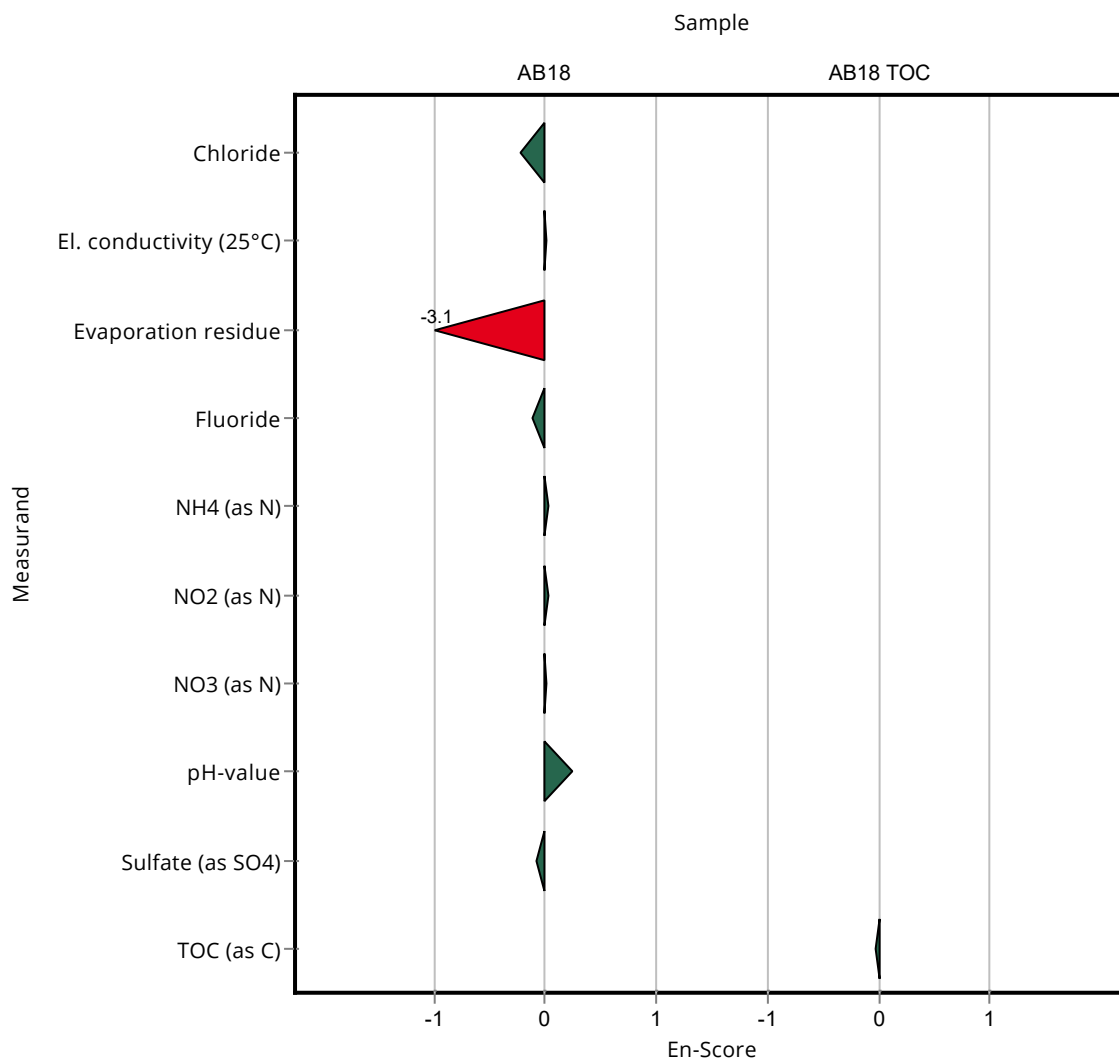
Labcode: LC0014

Sample: AB18

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	1670 $\pm$ 33.7	1600 $\pm$ 160	83.5	95.9	-0.21
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	752 $\pm$ 38	15	100	0.02
Evaporation residue	mg/l	5840 $\pm$ 122	3000 $\pm$ 450	584	51.3	-3.13
Fluoride	mg/l	0.355 $\pm$ 0.0246	0.347 $\pm$ 0.035	0.0675	97.6	-0.11
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	0.34 $\pm$ 0.041	0.0472	101	0.04
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	0.25 $\pm$ 0.038	0.0211	101	0.02
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	2.7 $\pm$ 0.41	0.216	100	0.01
pH-value		7.02 $\pm$ 0.0466	7.17 $\pm$ 0.3	0.14	102	0.25
PO ₄ (as P)	mg/l	- $\pm$ -	0.0648 $\pm$ 0.013	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	1600 $\pm$ 160	81.2	98.5	-0.07

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	22.8 $\pm$ 5.7	1.78	98.7	-0.03

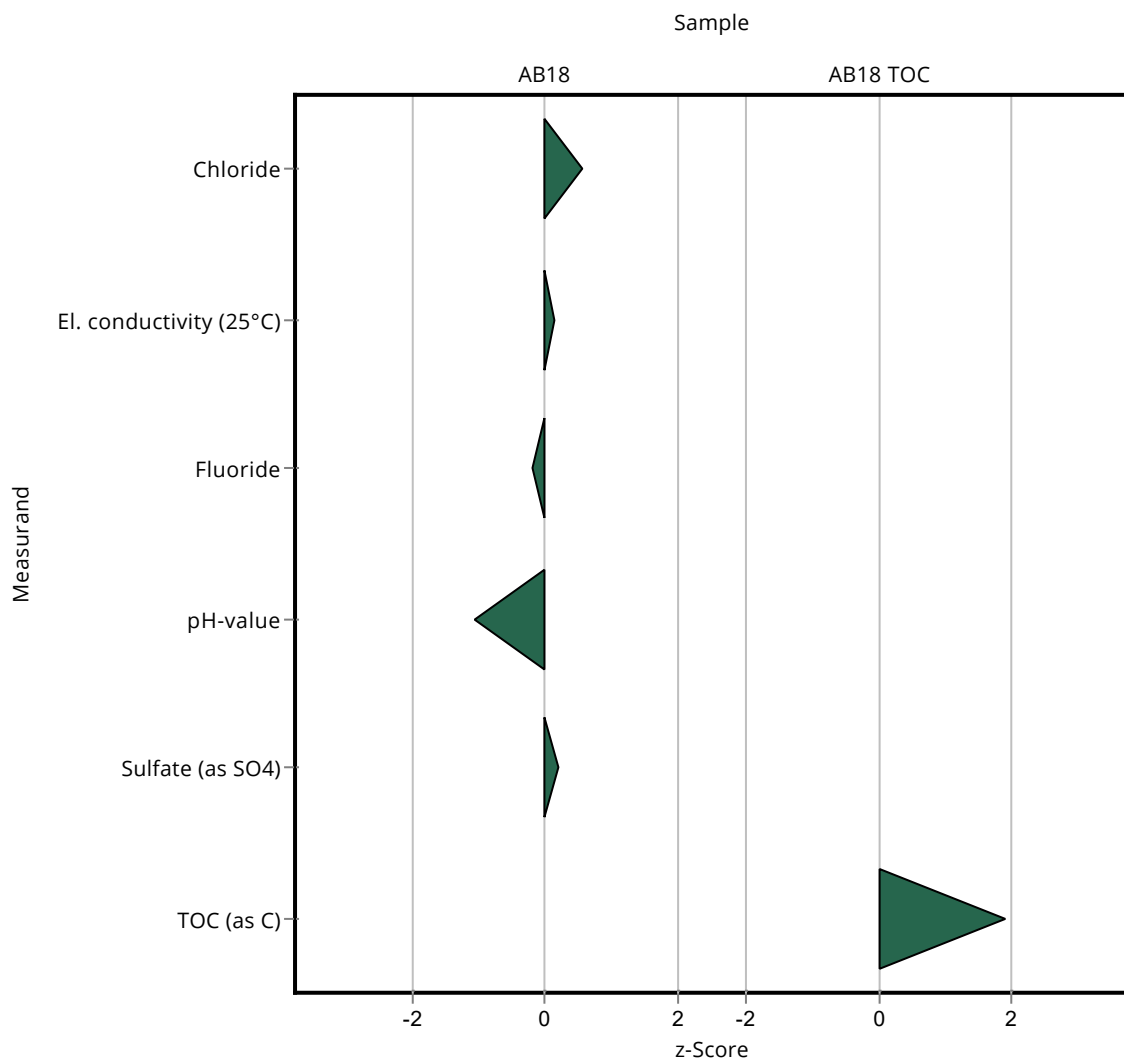


Sample: AB18

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	1670 $\pm$ 33.7	1716 $\pm$ 172	83.5	103	0.56
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	753 $\pm$ 37.7	15	100	0.15
Evaporation residue	mg/l	5840 $\pm$ 122	- $\pm$ -	584	-	-
Fluoride	mg/l	0.355 $\pm$ 0.0246	0.343 $\pm$ 0.0686	0.0675	96.5	-0.18
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	- $\pm$ -	0.0472	-	-
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	- $\pm$ -	0.0211	-	-
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	- $\pm$ -	0.216	-	-
pH-value		7.02 $\pm$ 0.0466	6.87 $\pm$ 0.2	0.14	97.9	-1.06
PO ₄ (as P)	mg/l	- $\pm$ -	- $\pm$ -	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	1640 $\pm$ 246	81.2	101	0.20

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	26.46 $\pm$ 2.65	1.78	114	1.88



Summary of results Waste acc to landfill directive (eluate ions) - AB18 - En-Score

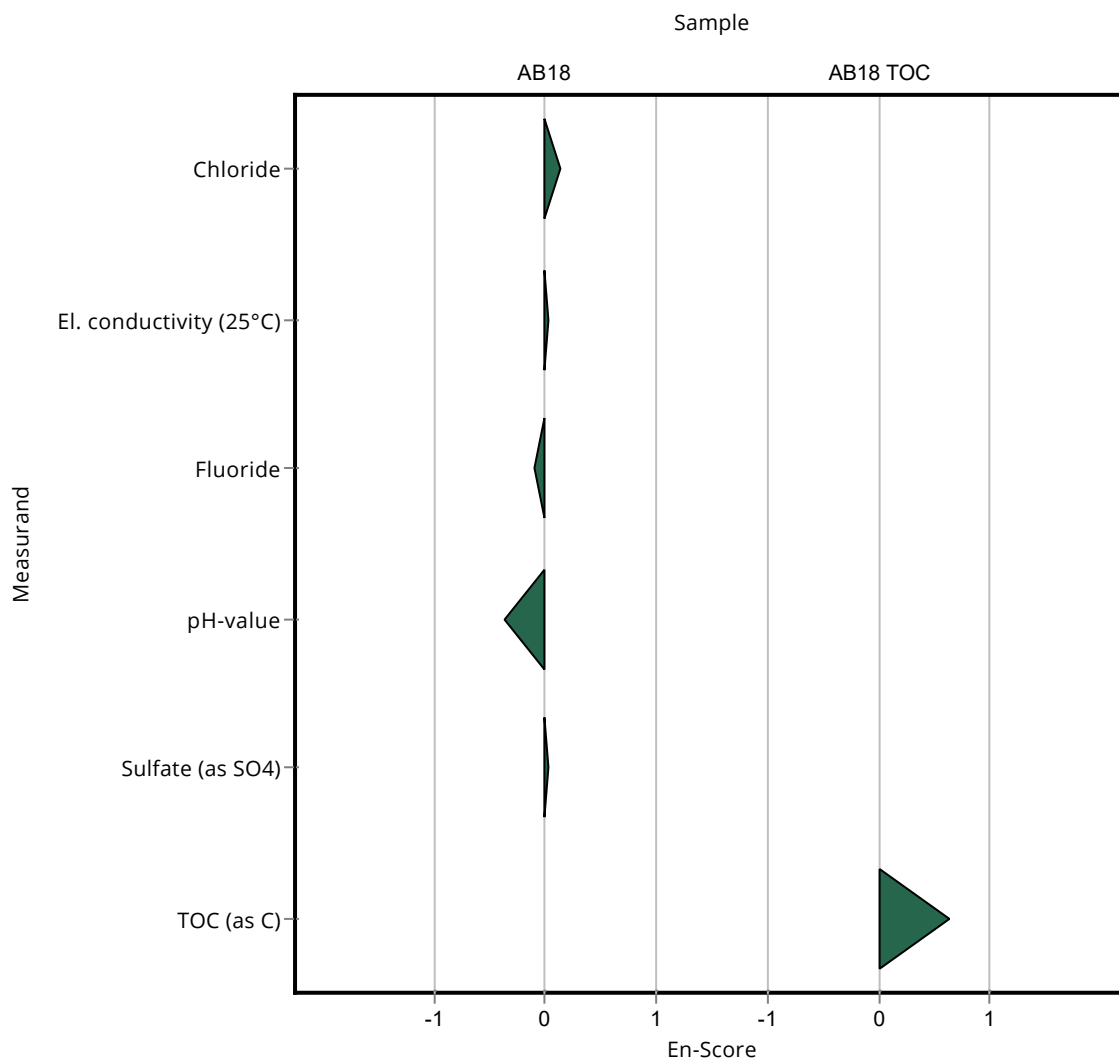
Labcode: LC0015

Sample: AB18

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	1670 $\pm$ 33.7	1716 $\pm$ 172	83.5	103	0.14
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	753 $\pm$ 37.7	15	100	0.03
Evaporation residue	mg/l	5840 $\pm$ 122	- $\pm$ -	584	-	-
Fluoride	mg/l	0.355 $\pm$ 0.0246	0.343 $\pm$ 0.0686	0.0675	96.5	-0.09
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	- $\pm$ -	0.0472	-	-
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	- $\pm$ -	0.0211	-	-
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	- $\pm$ -	0.216	-	-
pH-value		7.02 $\pm$ 0.0466	6.87 $\pm$ 0.2	0.14	97.9	-0.37
PO ₄ (as P)	mg/l	- $\pm$ -	- $\pm$ -	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	1640 $\pm$ 246	81.2	101	0.03

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	26.46 $\pm$ 2.65	1.78	114	0.63

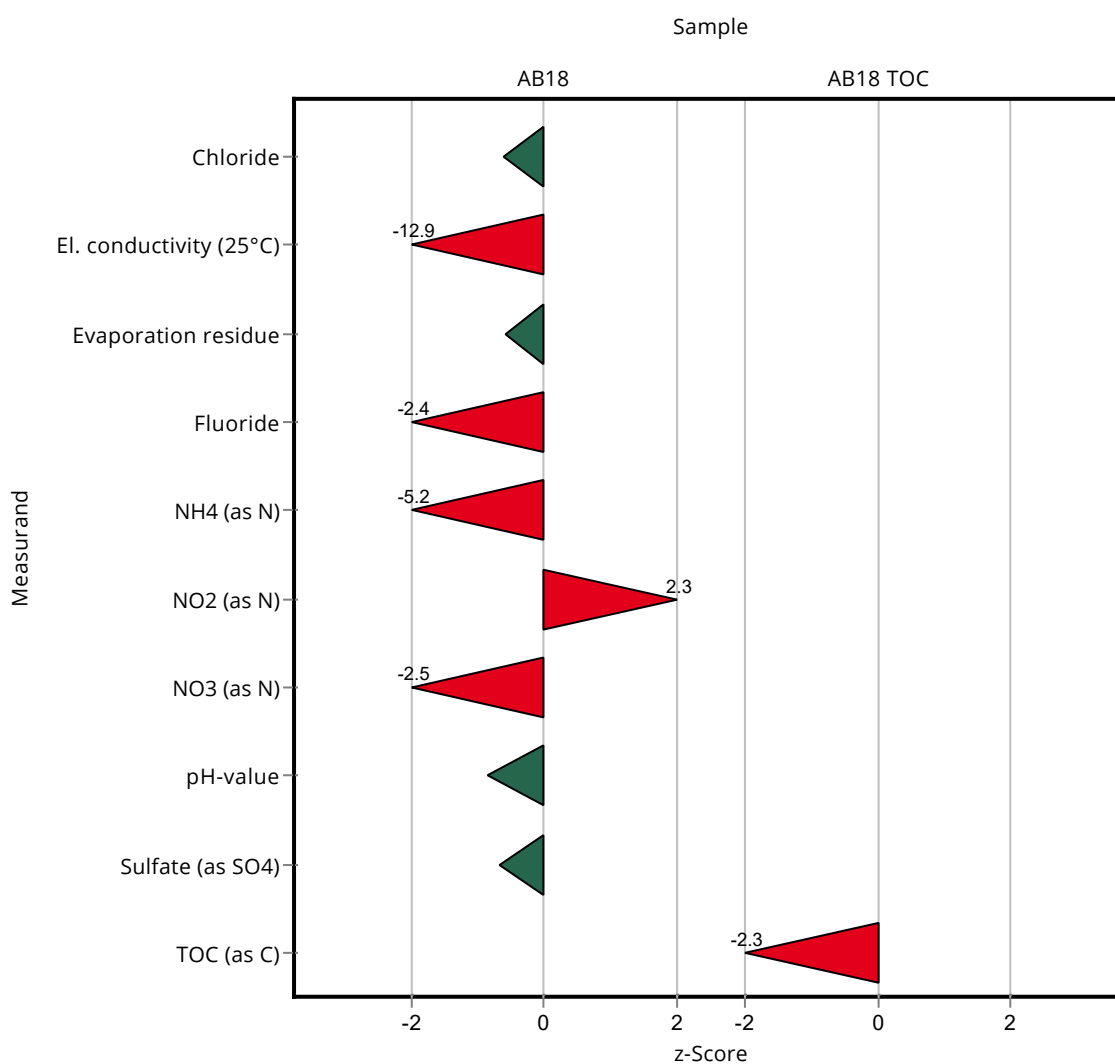


Sample: AB18

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	1670 $\pm$ 33.7	1618.1 $\pm$ 11.816	83.5	96.9	-0.61
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	557 $\pm$ 0.0001	15	74.2	-12.91
Evaporation residue	mg/l	5840 $\pm$ 122	5500.5 $\pm$ 10.607	584	94.1	-0.59
Fluoride	mg/l	0.355 $\pm$ 0.0246	0.195 $\pm$ 0.0071	0.0675	54.9	-2.38
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	0.0914 $\pm$ 0.0006	0.0472	27.1	-5.21
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	0.2964 $\pm$ 0.0021	0.0211	119	2.28
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	2.1651 $\pm$ 0.016	0.216	80.3	-2.46
pH-value		7.02 $\pm$ 0.0466	6.9 $\pm$ 0.0001	0.14	98.3	-0.85
PO ₄ (as P)	mg/l	- $\pm$ -	0.03 $\pm$ 0.0004	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	1568.26 $\pm$ 25.4242	81.2	96.6	-0.68

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	19.099 $\pm$ 0.3978	1.78	82.6	-2.25



Summary of results Waste acc to landfill directive (eluate ions) - AB18 - En-Score

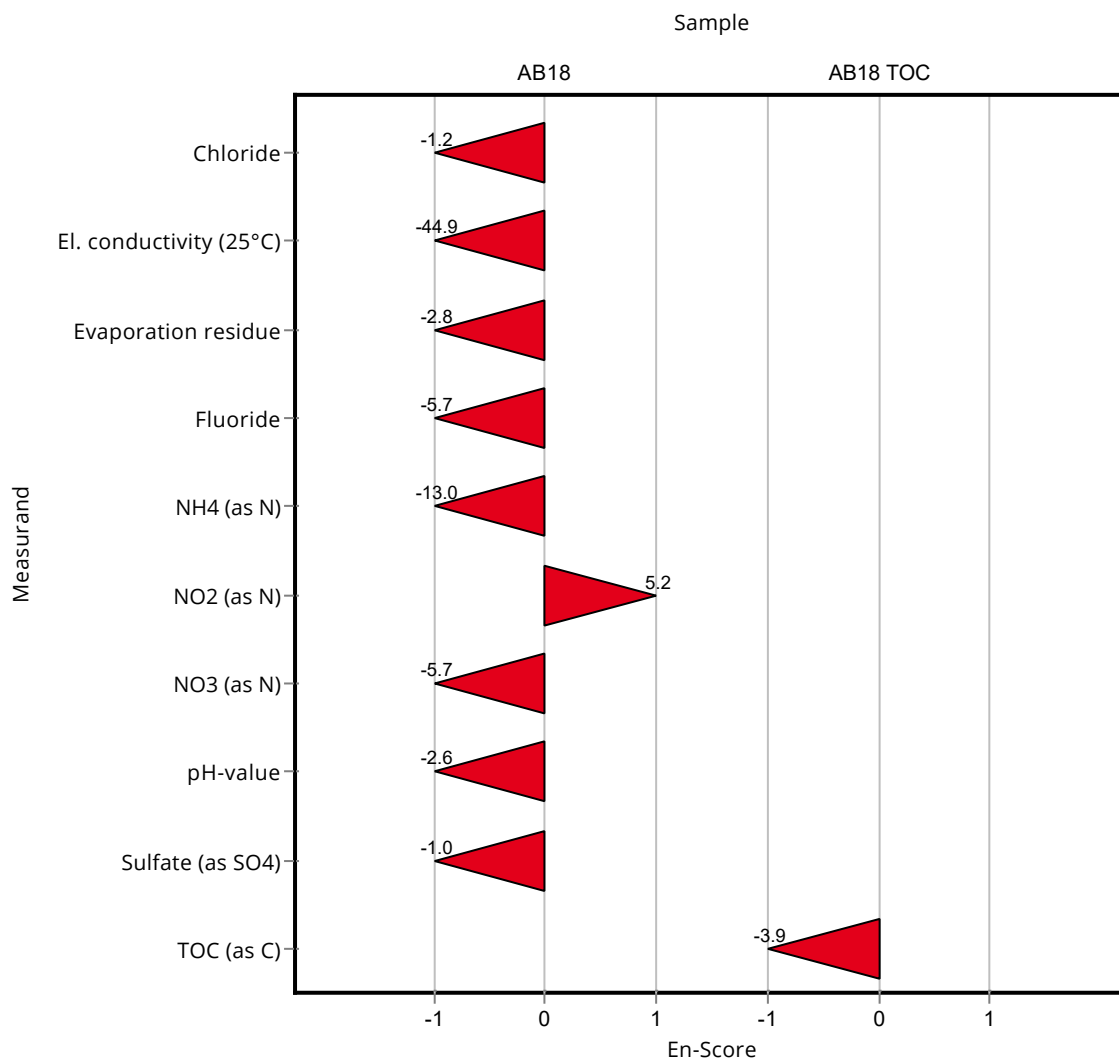
Labcode: LC0016

Sample: AB18

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	1670 $\pm$ 33.7	1618.1 $\pm$ 11.816	83.5	96.9	-1.24
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	557 $\pm$ 0.0001	15	74.2	-44.88
Evaporation residue	mg/l	5840 $\pm$ 122	5500.5 $\pm$ 10.607	584	94.1	-2.76
Fluoride	mg/l	0.355 $\pm$ 0.0246	0.195 $\pm$ 0.0071	0.0675	54.9	-5.65
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	0.0914 $\pm$ 0.0006	0.0472	27.1	-12.95
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	0.2964 $\pm$ 0.0021	0.0211	119	5.19
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	2.1651 $\pm$ 0.016	0.216	80.3	-5.66
pH-value		7.02 $\pm$ 0.0466	6.9 $\pm$ 0.0001	0.14	98.3	-2.56
PO ₄ (as P)	mg/l	- $\pm$ -	0.03 $\pm$ 0.0004	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	1568.26 $\pm$ 25.4242	81.2	96.6	-1.03

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	19.099 $\pm$ 0.3978	1.78	82.6	-3.87

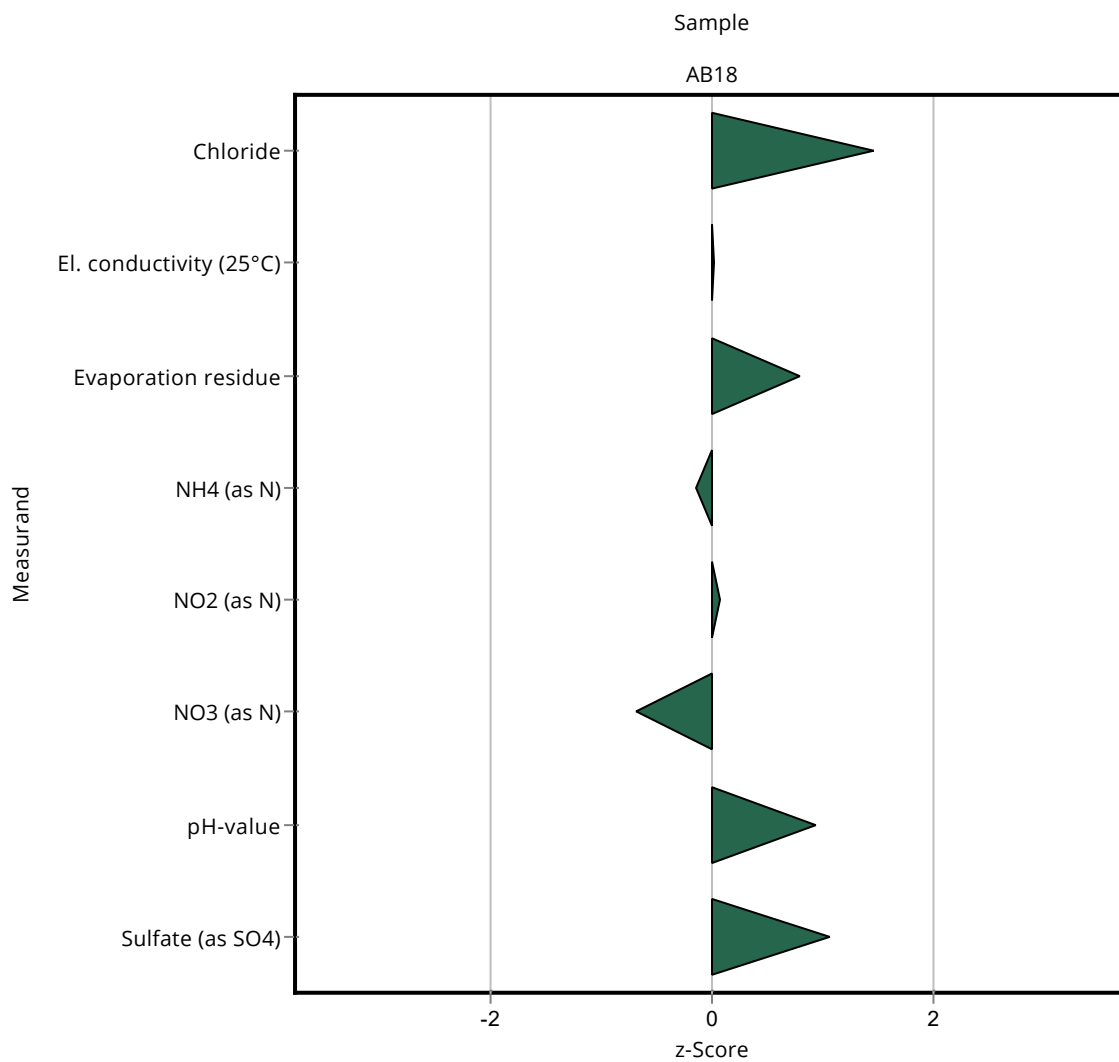


Sample: AB18

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	1670 $\pm$ 33.7	1790 $\pm$ 108	83.5	107	1.45
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	751 $\pm$ 150	15	100	0.01
Evaporation residue	mg/l	5840 $\pm$ 122	6300 $\pm$ 315	584	108	0.78
Fluoride	mg/l	0.355 $\pm$ 0.0246	<0.5 (LOQ) $\pm$ -	0.0675	-	-
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	0.33 $\pm$ 0.066	0.0472	97.9	-0.15
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	0.25 $\pm$ 0.05	0.0211	101	0.08
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	2.55 $\pm$ 0.13	0.216	94.6	-0.67
pH-value		7.02 $\pm$ 0.0466	7.15 $\pm$ 0.72	0.14	102	0.93
PO ₄ (as P)	mg/l	- $\pm$ -	0.097 $\pm$ 0.0291	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	1710 $\pm$ 120	81.2	105	1.06

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	- $\pm$ -	1.78	-	-



Summary of results Waste acc to landfill directive (eluate ions) - AB18 - En-Score

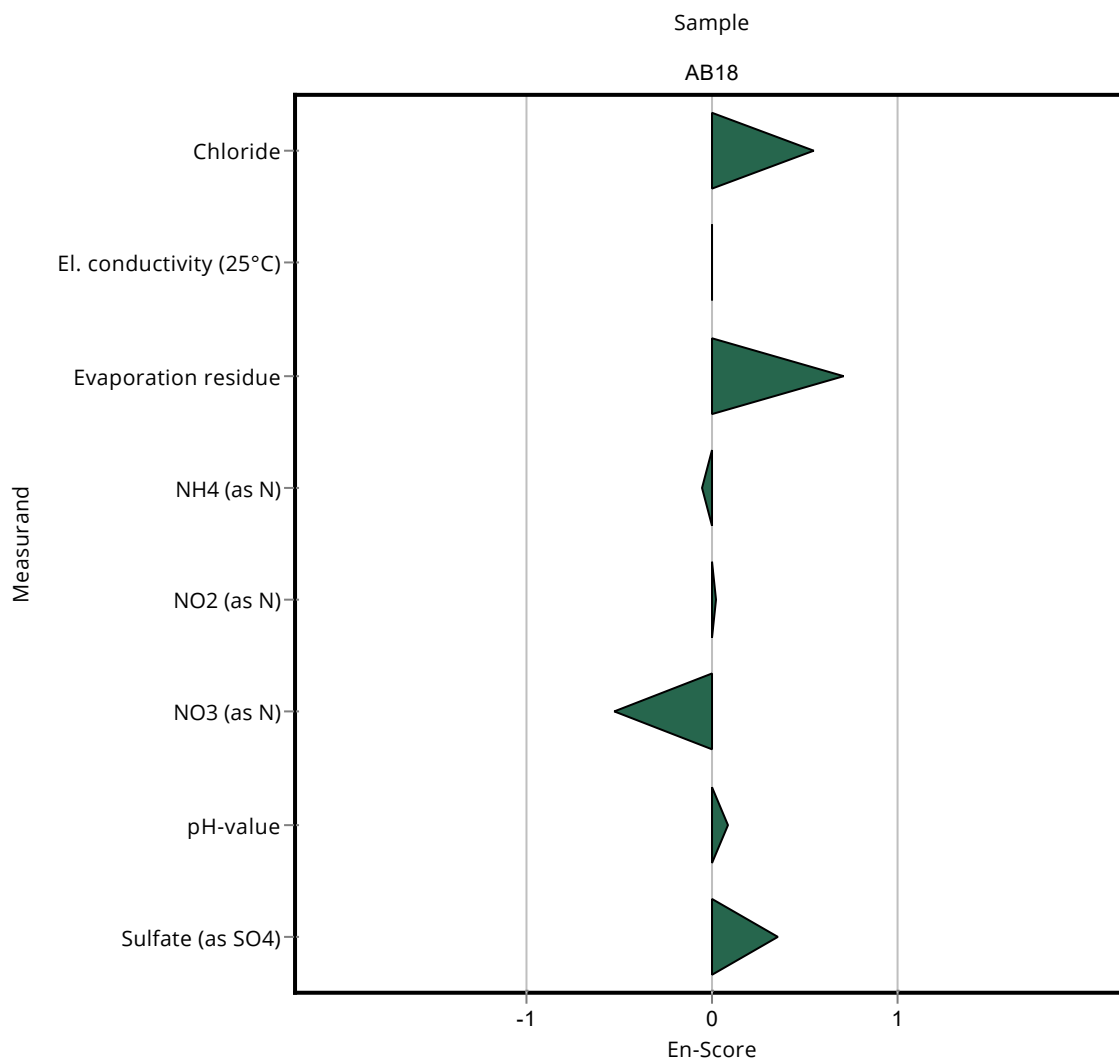
Labcode: LC0017

Sample: AB18

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	1670 $\pm$ 33.7	1790 $\pm$ 108	83.5	107	0.55
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	751 $\pm$ 150	15	100	0.00
Evaporation residue	mg/l	5840 $\pm$ 122	6300 $\pm$ 315	584	108	0.71
Fluoride	mg/l	0.355 $\pm$ 0.0246	<0.5 (LOQ) $\pm$ -	0.0675	-	-
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	0.33 $\pm$ 0.066	0.0472	97.9	-0.05
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	0.25 $\pm$ 0.05	0.0211	101	0.02
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	2.55 $\pm$ 0.13	0.216	94.6	-0.53
pH-value		7.02 $\pm$ 0.0466	7.15 $\pm$ 0.72	0.14	102	0.09
PO ₄ (as P)	mg/l	- $\pm$ -	0.097 $\pm$ 0.0291	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	1710 $\pm$ 120	81.2	105	0.36

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	- $\pm$ -	1.78	-	-

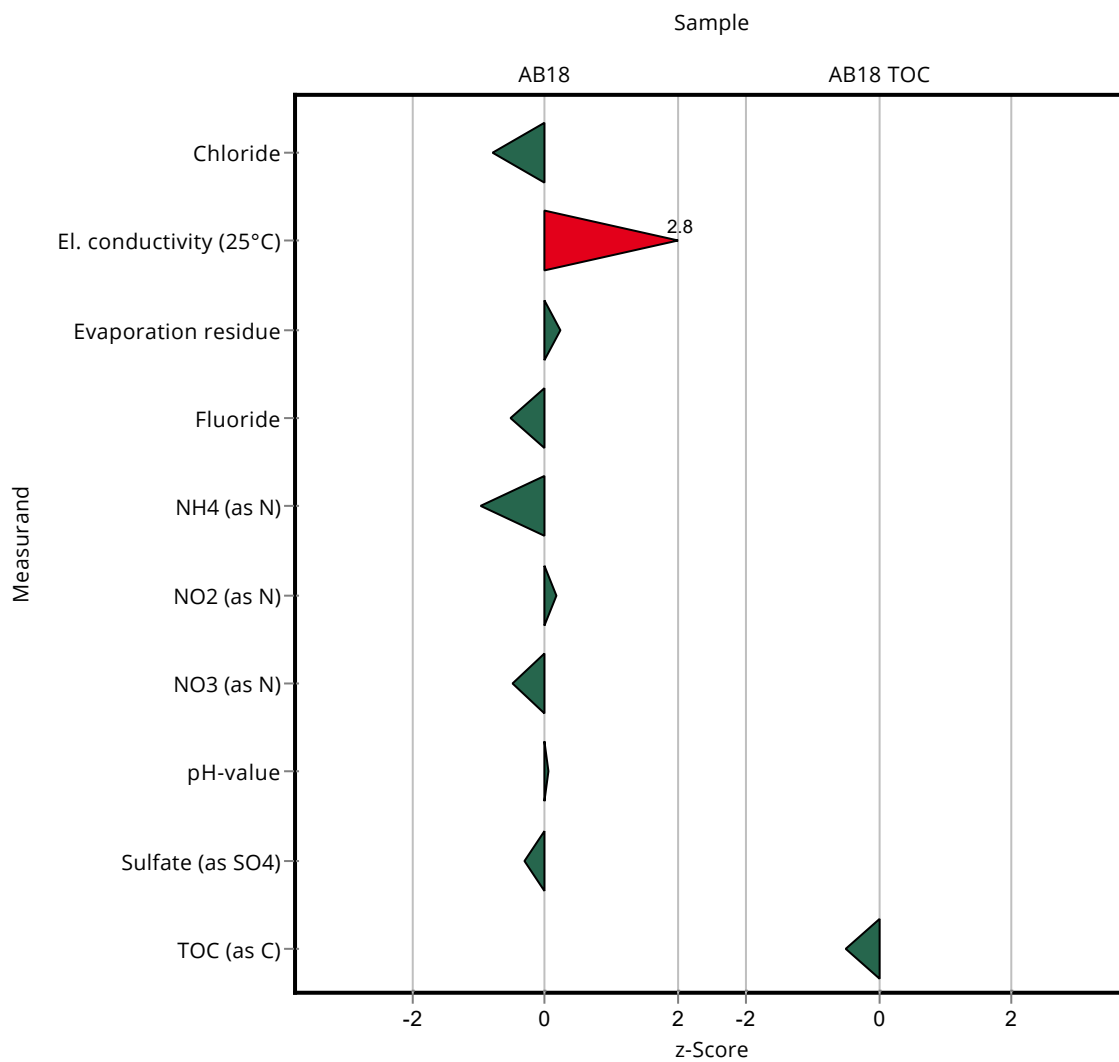


Sample: AB18

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	1670 $\pm$ 33.7	1603 $\pm$ 52.89	83.5	96	-0.79
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	792.8 $\pm$ 23.784	15	106	2.80
Evaporation residue	mg/l	5840 $\pm$ 122	5976 $\pm$ 1912.32	584	102	0.23
Fluoride	mg/l	0.355 $\pm$ 0.0246	0.32 $\pm$ 0.02	0.0675	90	-0.52
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	0.291 $\pm$ 0.05238	0.0472	86.4	-0.97
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	0.252 $\pm$ 0.051	0.0211	101	0.17
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	2.59 $\pm$ 0.15	0.216	96.1	-0.49
pH-value		7.02 $\pm$ 0.0466	7.027 $\pm$ 0.07027	0.14	100	0.05
PO ₄ (as P)	mg/l	- $\pm$ -	0.0939 $\pm$ 0.00939	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	1599 $\pm$ 59.15	81.2	98.5	-0.30

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	22.25 $\pm$ 2.225	1.78	96.3	-0.48



Summary of results Waste acc to landfill directive (eluate ions) - AB18 - En-Score

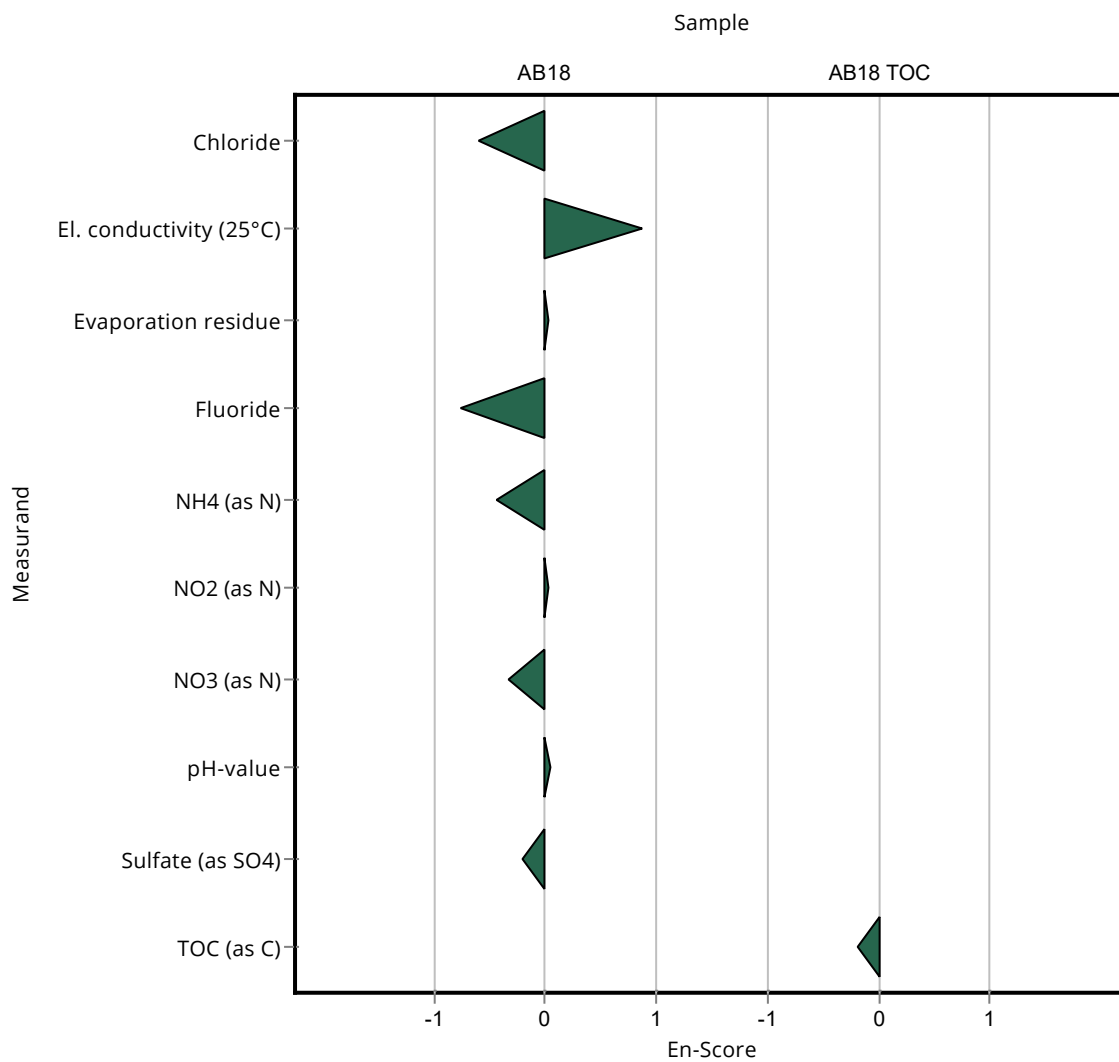
Labcode: LC0018

Sample: AB18

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	1670 $\pm$ 33.7	1603 $\pm$ 52.89	83.5	96	-0.60
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	792.8 $\pm$ 23.784	15	106	0.88
Evaporation residue	mg/l	5840 $\pm$ 122	5976 $\pm$ 1912.32	584	102	0.03
Fluoride	mg/l	0.355 $\pm$ 0.0246	0.32 $\pm$ 0.02	0.0675	90	-0.75
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	0.291 $\pm$ 0.05238	0.0472	86.4	-0.43
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	0.252 $\pm$ 0.051	0.0211	101	0.04
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	2.59 $\pm$ 0.15	0.216	96.1	-0.34
pH-value		7.02 $\pm$ 0.0466	7.027 $\pm$ 0.07027	0.14	100	0.05
PO ₄ (as P)	mg/l	- $\pm$ -	0.0939 $\pm$ 0.00939	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	1599 $\pm$ 59.15	81.2	98.5	-0.21

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	22.25 $\pm$ 2.225	1.78	96.3	-0.19

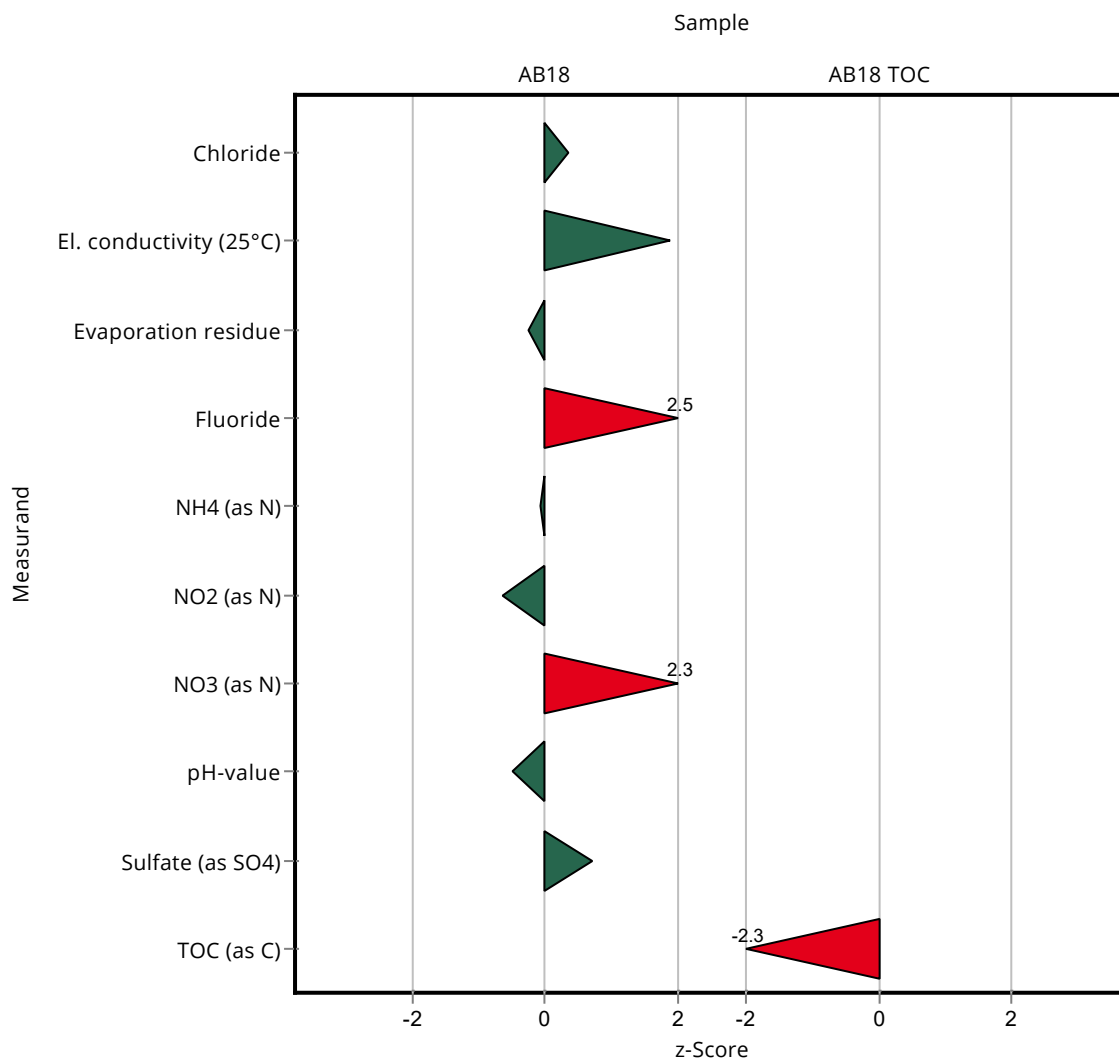


Sample: AB18

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	1670 $\pm$ 33.7	1699 $\pm$ 102	83.5	102	0.36
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	779 $\pm$ 7.8	15	104	1.88
Evaporation residue	mg/l	5840 $\pm$ 122	5700 $\pm$ 340	584	97.6	-0.24
Fluoride	mg/l	0.355 $\pm$ 0.0246	0.523 $\pm$ 0.034	0.0675	147	2.48
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	0.333 $\pm$ 0.022	0.0472	98.8	-0.08
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	0.235 $\pm$ 0.0047	0.0211	94.6	-0.63
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	3.19 $\pm$ 0.18	0.216	118	2.29
pH-value		7.02 $\pm$ 0.0466	6.95 $\pm$ 0.07	0.14	99	-0.49
PO ₄ (as P)	mg/l	- $\pm$ -	0.0207 $\pm$ 0.00062	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	1681 $\pm$ 67	81.2	104	0.71

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	19 $\pm$ 1.2	1.78	82.2	-2.31



Summary of results Waste acc to landfill directive (eluate ions) - AB18 - En-Score

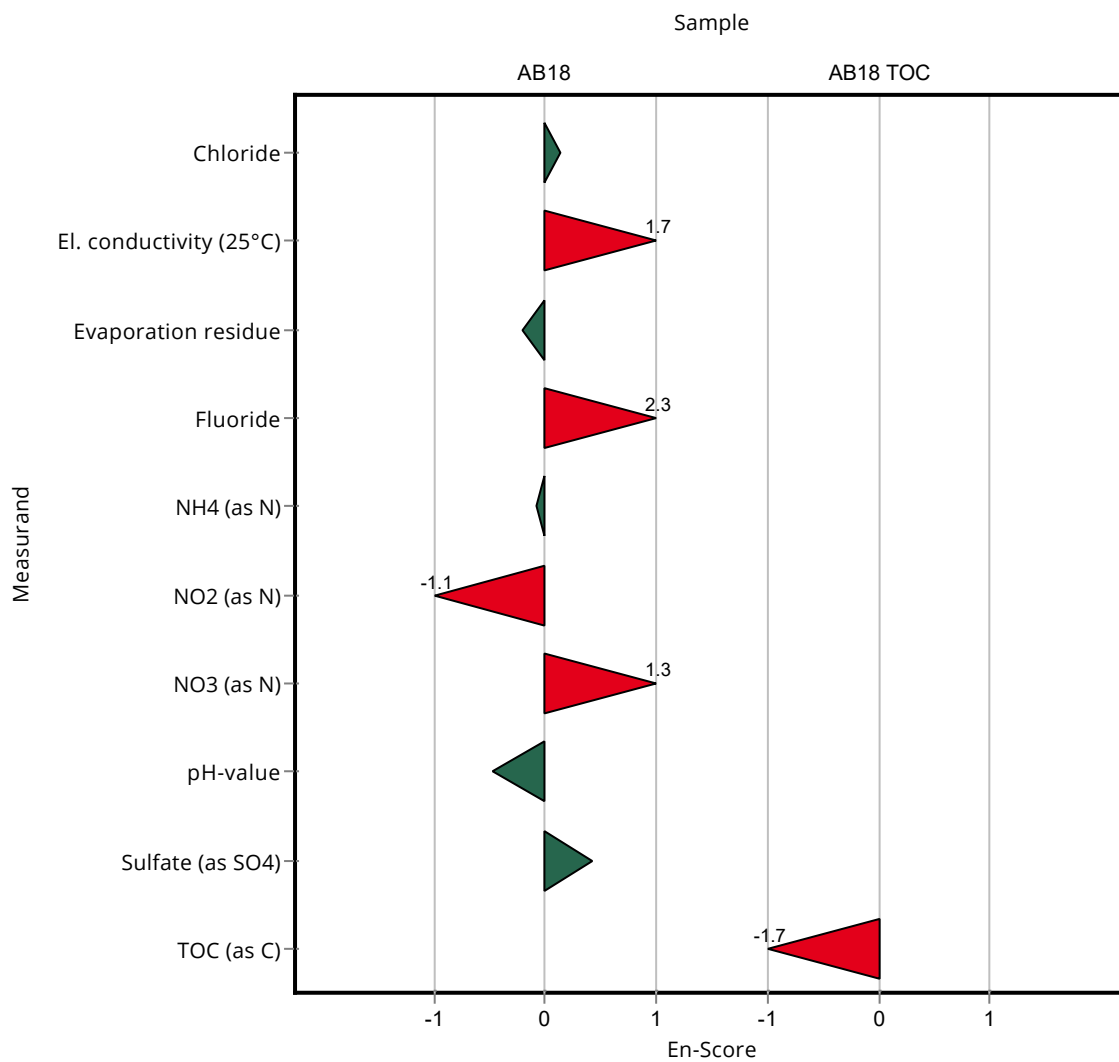
Labcode: LC0019

Sample: AB18

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	1670 $\pm$ 33.7	1699 $\pm$ 102	83.5	102	0.14
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	779 $\pm$ 7.8	15	104	1.74
Evaporation residue	mg/l	5840 $\pm$ 122	5700 $\pm$ 340	584	97.6	-0.21
Fluoride	mg/l	0.355 $\pm$ 0.0246	0.523 $\pm$ 0.034	0.0675	147	2.32
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	0.333 $\pm$ 0.022	0.0472	98.8	-0.08
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	0.235 $\pm$ 0.0047	0.0211	94.6	-1.06
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	3.19 $\pm$ 0.18	0.216	118	1.33
pH-value		7.02 $\pm$ 0.0466	6.95 $\pm$ 0.07	0.14	99	-0.47
PO ₄ (as P)	mg/l	- $\pm$ -	0.0207 $\pm$ 0.00062	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	1681 $\pm$ 67	81.2	104	0.42

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	19 $\pm$ 1.2	1.78	82.2	-1.65

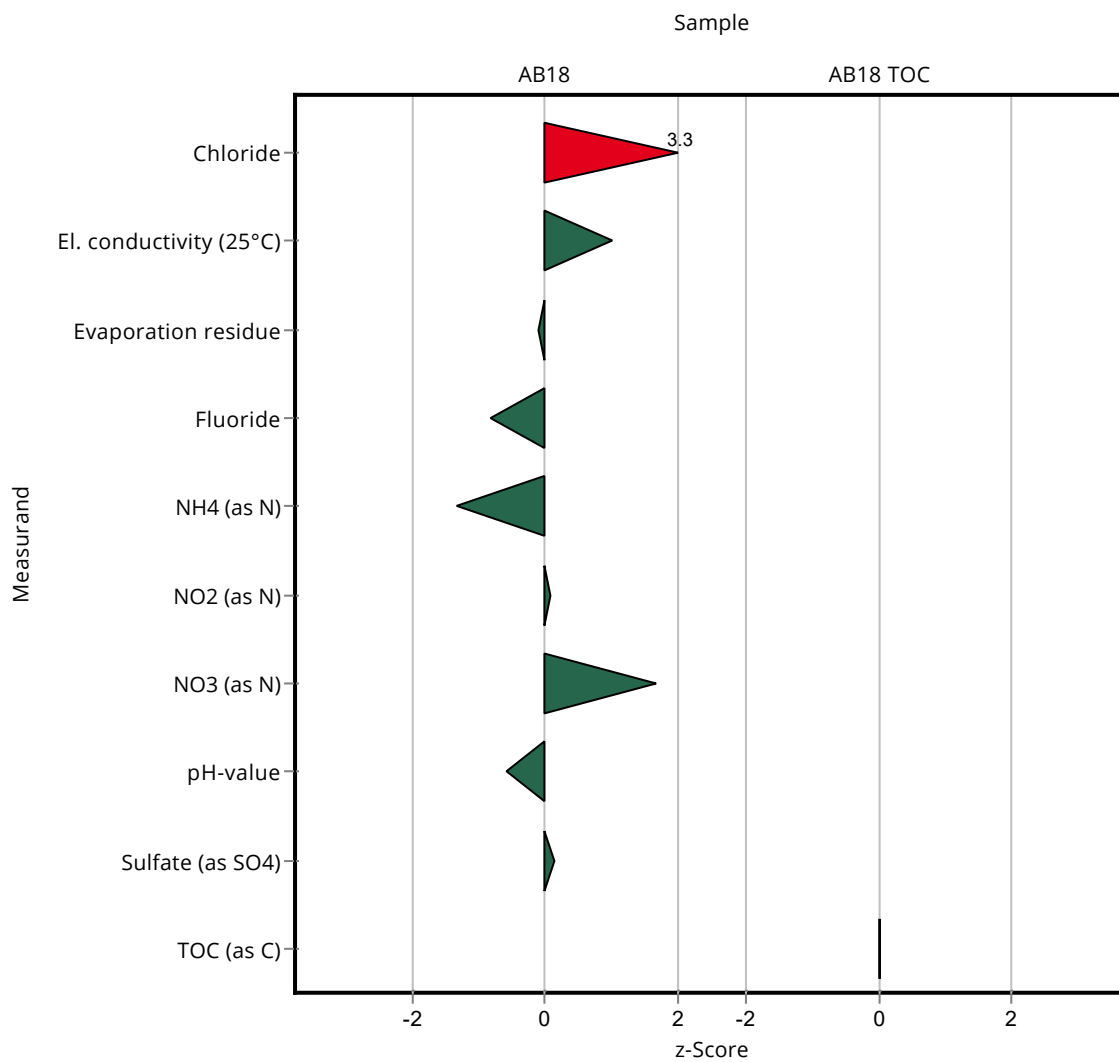


Sample: AB18

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	1670 $\pm$ 33.7	1947 $\pm$ 7.529	83.5	117	3.33
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	766 $\pm$ 0.264575	15	102	1.01
Evaporation residue	mg/l	5840 $\pm$ 122	5777 $\pm$ 8.981462	584	98.9	-0.11
Fluoride	mg/l	0.355 $\pm$ 0.0246	0.3 $\pm$ 0.008	0.0675	84.4	-0.82
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	0.274 $\pm$ 0.001796	0.0472	81.3	-1.33
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	0.25 $\pm$ 0.004082	0.0211	101	0.08
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	3.057 $\pm$ 0.002887	0.216	113	1.68
pH-value		7.02 $\pm$ 0.0466	6.94 $\pm$ 0.01633	0.14	98.9	-0.57
PO ₄ (as P)	mg/l	- $\pm$ -	0.515 $\pm$ 0.004593	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	1634 $\pm$ 6.231	81.2	101	0.13

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	23.14 $\pm$ 0.024495	1.78	100	0.02



Summary of results Waste acc to landfill directive (eluate ions) - AB18 - En-Score

Labcode: LC0020

Sample: AB18

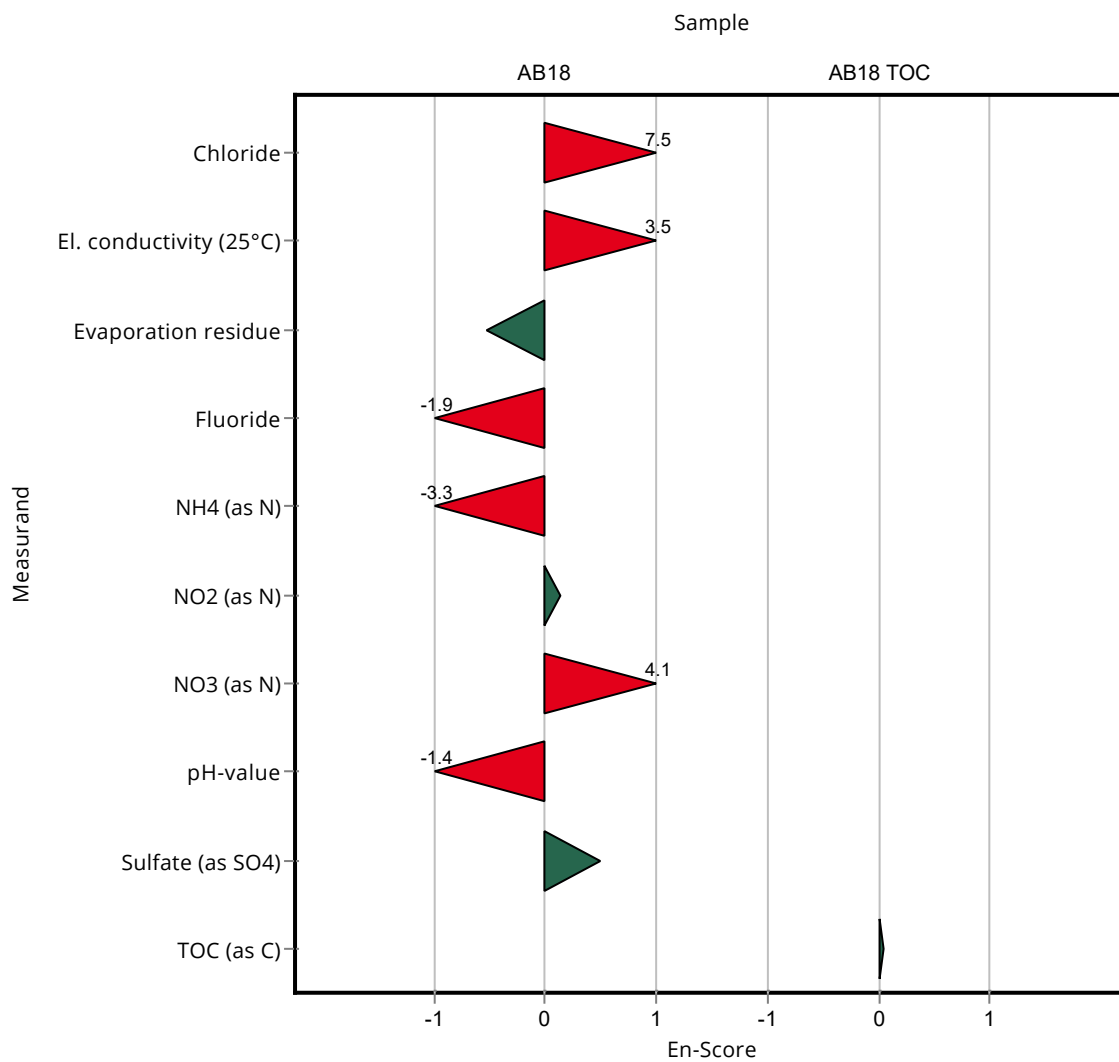
Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	1670 $\pm$ 33.7	1947 $\pm$ 7.529	83.5	117	7.53
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	766 $\pm$ 0.264575	15	102	3.49
Evaporation residue	mg/l	5840 $\pm$ 122	5777 $\pm$ 8.981462	584	98.9	-0.53
Fluoride	mg/l	0.355 $\pm$ 0.0246	0.3 $\pm$ 0.008	0.0675	84.4	-1.89
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	0.274 $\pm$ 0.001796	0.0472	81.3	-3.27
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	0.25 $\pm$ 0.004082	0.0211	101	0.14
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	3.057 $\pm$ 0.002887	0.216	113	4.09
pH-value		7.02 $\pm$ 0.0466	6.94 $\pm$ 0.01633	0.14	98.9	-1.40
PO ₄ (as P)	mg/l	- $\pm$ -	0.515 $\pm$ 0.004593	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	1634 $\pm$ 6.231	81.2	101	0.49

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	23.14 $\pm$ 0.024495	1.78	100	0.05

Summary of results Waste acc to landfill directive (eluate ions) - AB18 - En-Score

Labcode: LC0020

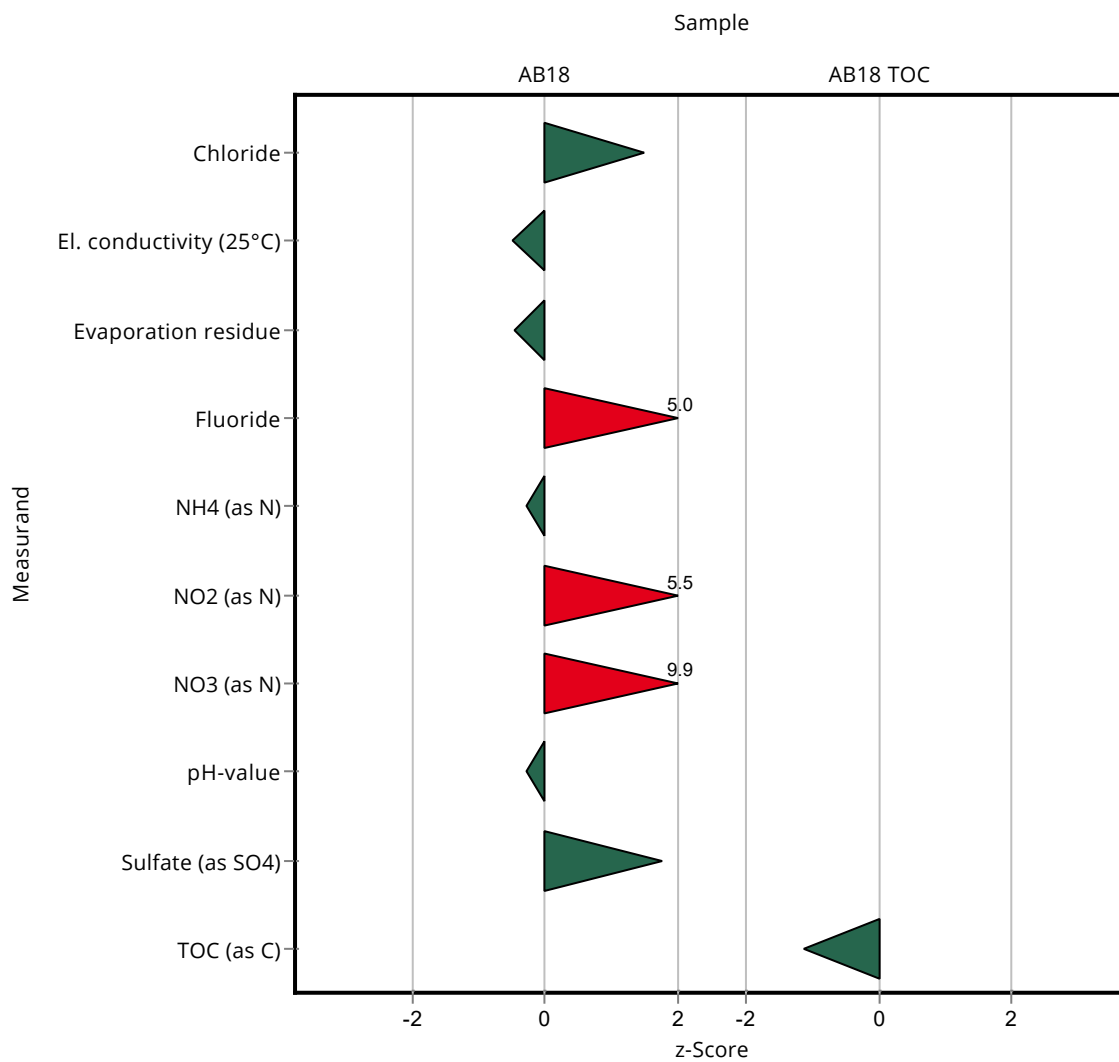


Sample: AB18

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	1670 $\pm$ 33.7	1792 $\pm$ 45.38	83.5	107	1.47
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	743.6 $\pm$ 3.94	15	99	-0.48
Evaporation residue	mg/l	5840 $\pm$ 122	5581 $\pm$ 215	584	95.5	-0.45
Fluoride	mg/l	0.355 $\pm$ 0.0246	0.69 $\pm$ 0.03	0.0675	194	4.95
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	0.324 $\pm$ 0.0357	0.0472	96.2	-0.27
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	0.364 $\pm$ 0.0112	0.0211	147	5.48
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	4.82 $\pm$ 0.27	0.216	179	9.85
pH-value		7.02 $\pm$ 0.0466	6.98 $\pm$ 0.027	0.14	99.4	-0.28
PO ₄ (as P)	mg/l	- $\pm$ -	0.034 $\pm$ 0.0013	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	1765 $\pm$ 39.54	81.2	109	1.74

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	21.09 $\pm$ 0.03876	1.78	91.3	-1.13



Summary of results Waste acc to landfill directive (eluate ions) - AB18 - En-Score

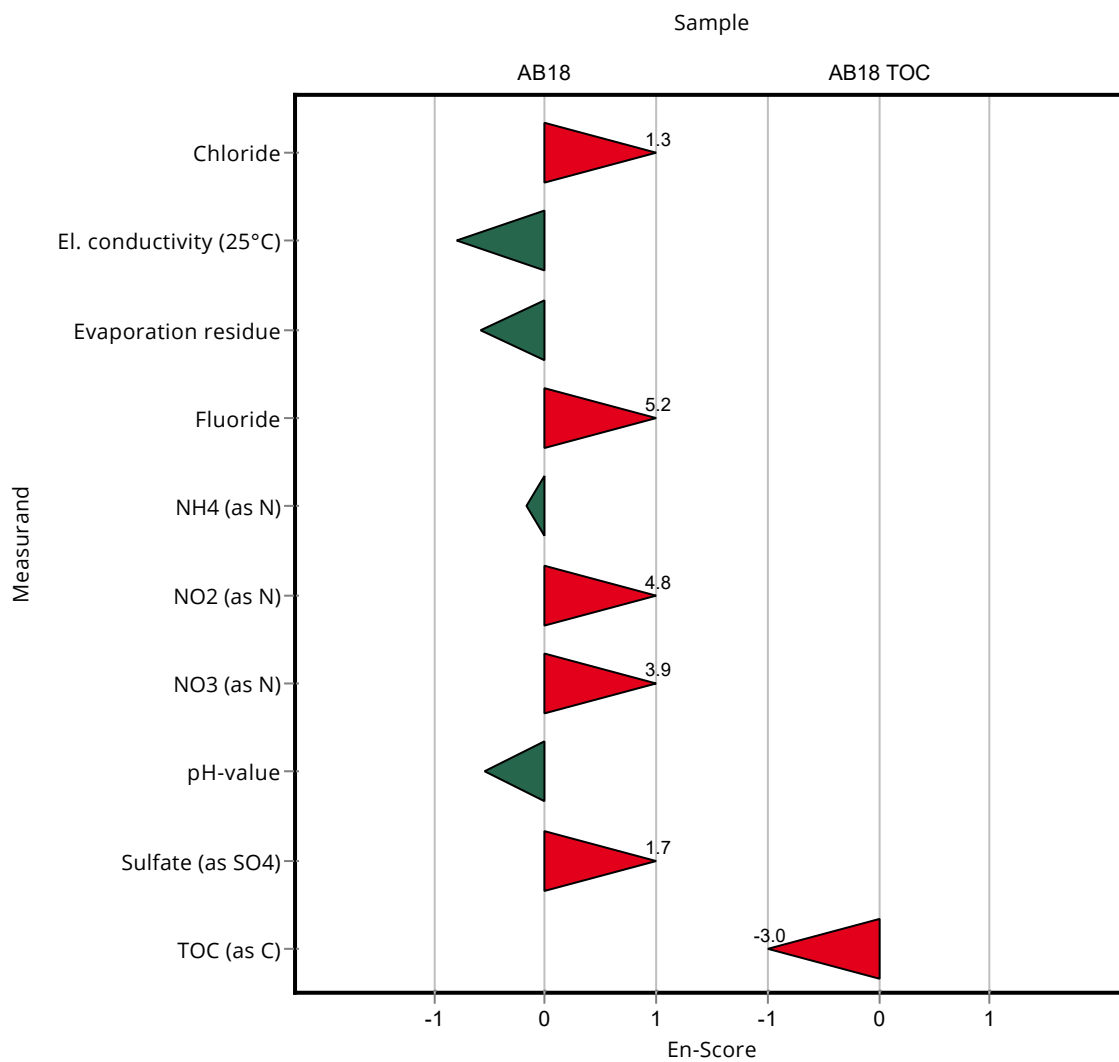
Labcode: LC0021

Sample: AB18

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	1670 $\pm$ 33.7	1792 $\pm$ 45.38	83.5	107	1.27
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	743.6 $\pm$ 3.94	15	99	-0.80
Evaporation residue	mg/l	5840 $\pm$ 122	5581 $\pm$ 215	584	95.5	-0.59
Fluoride	mg/l	0.355 $\pm$ 0.0246	0.69 $\pm$ 0.03	0.0675	194	5.16
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	0.324 $\pm$ 0.0357	0.0472	96.2	-0.17
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	0.364 $\pm$ 0.0112	0.0211	147	4.85
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	4.82 $\pm$ 0.27	0.216	179	3.88
pH-value		7.02 $\pm$ 0.0466	6.98 $\pm$ 0.027	0.14	99.4	-0.55
PO ₄ (as P)	mg/l	- $\pm$ -	0.034 $\pm$ 0.0013	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	1765 $\pm$ 39.54	81.2	109	1.75

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	21.09 $\pm$ 0.03876	1.78	91.3	-3.03

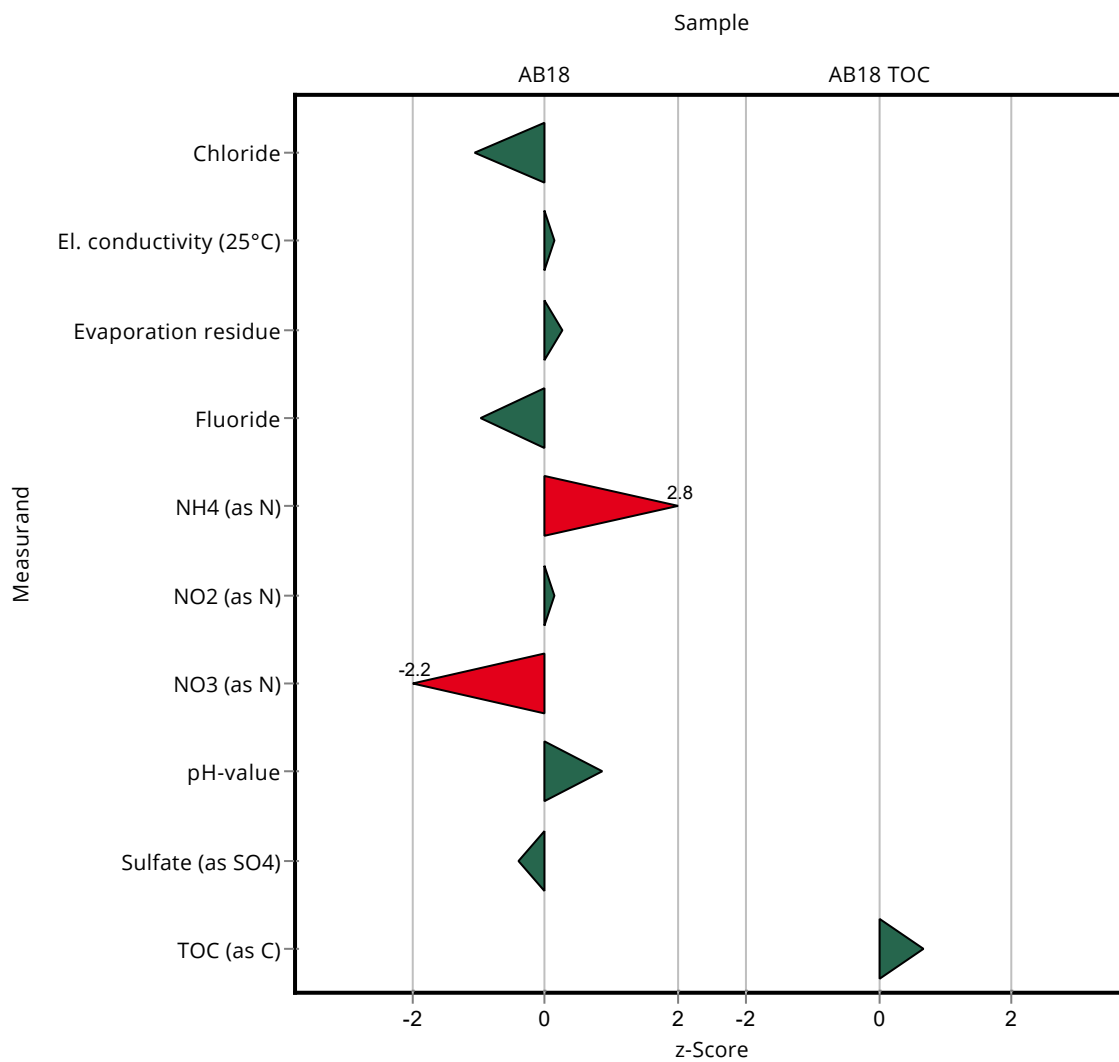


Sample: AB18

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	1670 $\pm$ 33.7	1580 $\pm$ 316	83.5	94.7	-1.07
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	753 $\pm$ 75.3	15	100	0.15
Evaporation residue	mg/l	5840 $\pm$ 122	6000 $\pm$ 1800	584	103	0.27
Fluoride	mg/l	0.355 $\pm$ 0.0246	0.289 $\pm$ 0.06	0.0675	81.3	-0.98
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	0.468 $\pm$ 0.11	0.0472	139	2.78
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	0.251 $\pm$ 0.049	0.0211	101	0.13
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	2.23 $\pm$ 0.45	0.216	82.7	-2.16
pH-value		7.02 $\pm$ 0.0466	7.14 $\pm$ 0.1	0.14	102	0.86
PO ₄ (as P)	mg/l	- $\pm$ -	- $\pm$ -	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	1590 $\pm$ 319	81.2	97.9	-0.41

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	24.3 $\pm$ 6.08	1.78	105	0.67



Summary of results Waste acc to landfill directive (eluate ions) - AB18 - En-Score

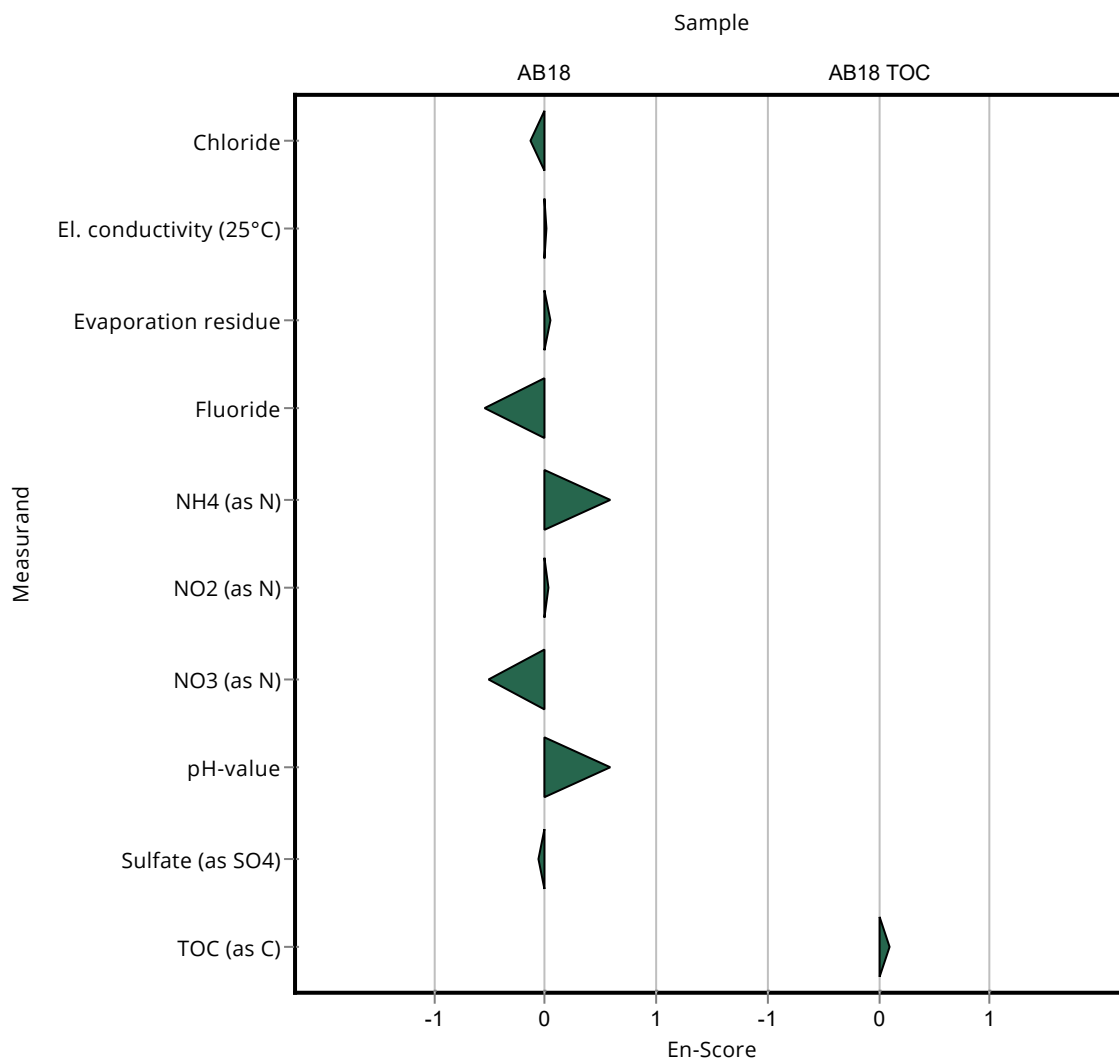
Labcode: LC0022

Sample: AB18

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	1670 $\pm$ 33.7	1580 $\pm$ 316	83.5	94.7	-0.14
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	753 $\pm$ 75.3	15	100	0.01
Evaporation residue	mg/l	5840 $\pm$ 122	6000 $\pm$ 1800	584	103	0.04
Fluoride	mg/l	0.355 $\pm$ 0.0246	0.289 $\pm$ 0.06	0.0675	81.3	-0.54
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	0.468 $\pm$ 0.11	0.0472	139	0.59
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	0.251 $\pm$ 0.049	0.0211	101	0.03
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	2.23 $\pm$ 0.45	0.216	82.7	-0.51
pH-value		7.02 $\pm$ 0.0466	7.14 $\pm$ 0.1	0.14	102	0.59
PO ₄ (as P)	mg/l	- $\pm$ -	- $\pm$ -	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	1590 $\pm$ 319	81.2	97.9	-0.05

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	24.3 $\pm$ 6.08	1.78	105	0.10

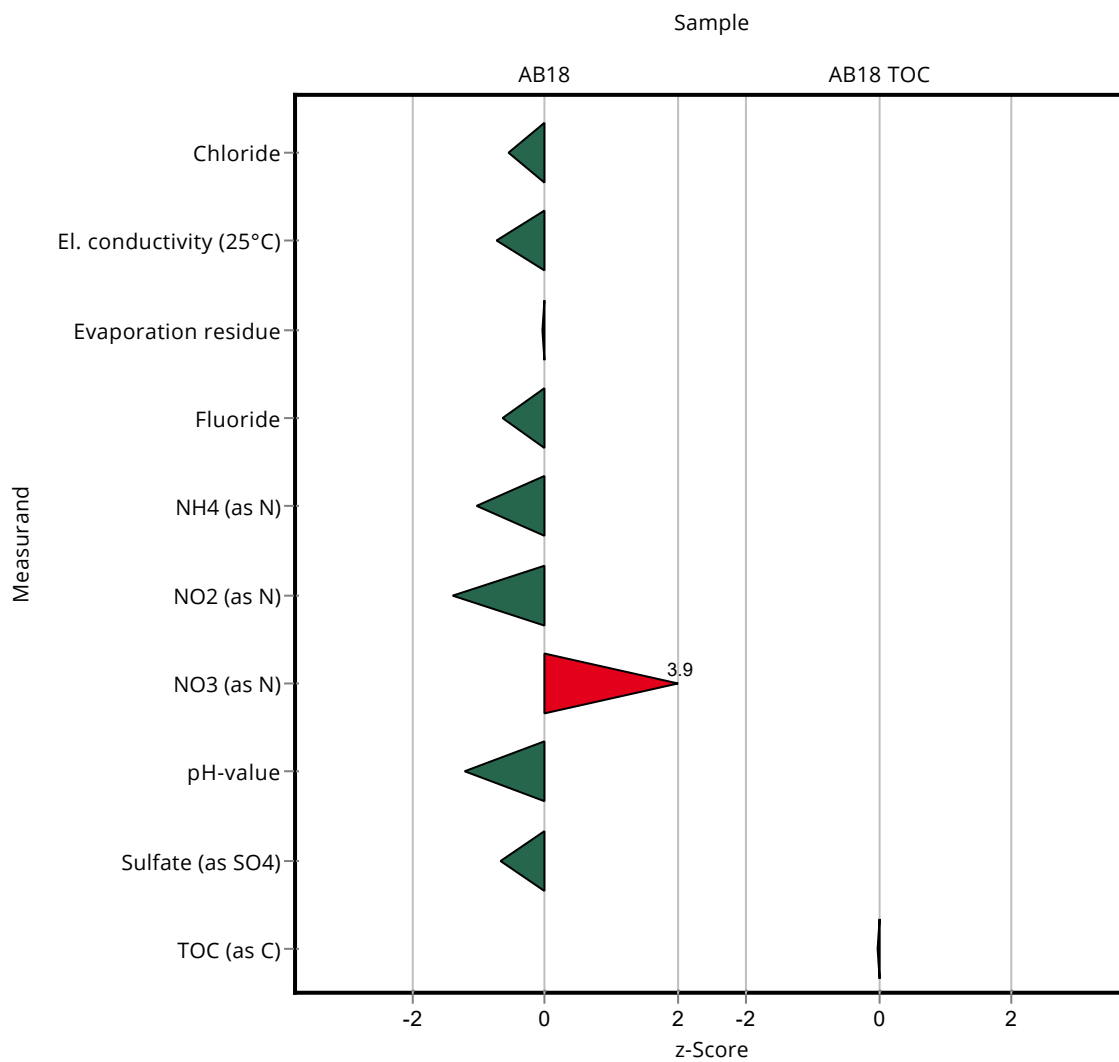


Sample: AB18

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	1670 $\pm$ 33.7	1623.95 $\pm$ 275.91	83.5	97.3	-0.54
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	740 $\pm$ 88.8	15	98.6	-0.72
Evaporation residue	mg/l	5840 $\pm$ 122	5819.5 $\pm$ 1163.9	584	99.6	-0.04
Fluoride	mg/l	0.355 $\pm$ 0.0246	0.312 $\pm$ 0.06	0.0675	87.8	-0.64
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	0.288 $\pm$ 0.029	0.0472	85.5	-1.04
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	0.219 $\pm$ 0.05	0.0211	88.2	-1.39
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	3.53 $\pm$ 0.46	0.216	131	3.87
pH-value		7.02 $\pm$ 0.0466	6.85 $\pm$ 0.41	0.14	97.6	-1.21
PO ₄ (as P)	mg/l	- $\pm$ -	0.413 $\pm$ 0.09	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	1570.23 $\pm$ 188.43	81.2	96.7	-0.66

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	23.1 $\pm$ 7.16	1.78	100	-0.01



Summary of results Waste acc to landfill directive (eluate ions) - AB18 - En-Score

Labcode: LC0023

Sample: AB18

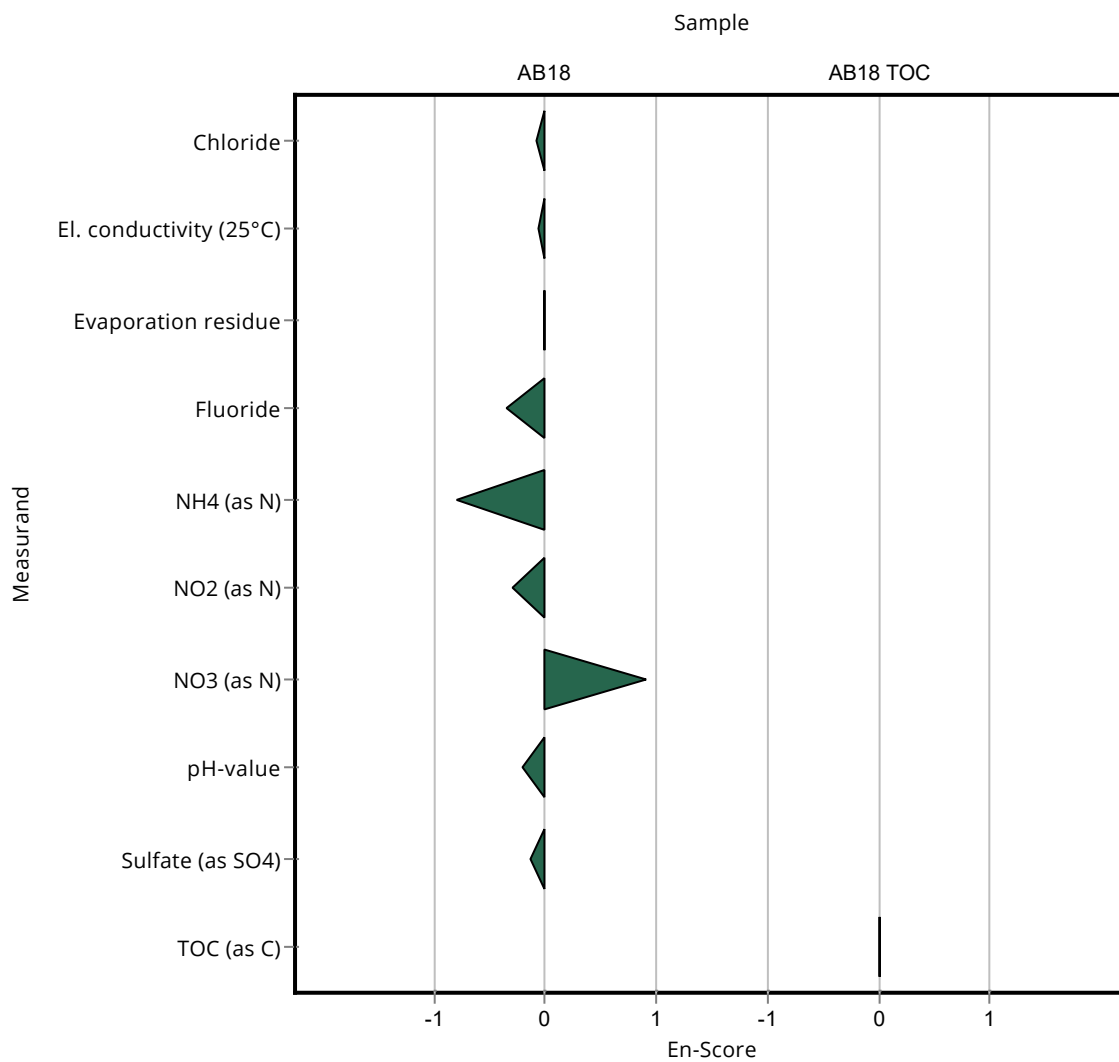
Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	1670 $\pm$ 33.7	1623.95 $\pm$ 275.91	83.5	97.3	-0.08
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	740 $\pm$ 88.8	15	98.6	-0.06
Evaporation residue	mg/l	5840 $\pm$ 122	5819.5 $\pm$ 1163.9	584	99.6	-0.01
Fluoride	mg/l	0.355 $\pm$ 0.0246	0.312 $\pm$ 0.06	0.0675	87.8	-0.35
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	0.288 $\pm$ 0.029	0.0472	85.5	-0.80
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	0.219 $\pm$ 0.05	0.0211	88.2	-0.29
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	3.53 $\pm$ 0.46	0.216	131	0.90
pH-value		7.02 $\pm$ 0.0466	6.85 $\pm$ 0.41	0.14	97.6	-0.21
PO ₄ (as P)	mg/l	- $\pm$ -	0.413 $\pm$ 0.09	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	1570.23 $\pm$ 188.43	81.2	96.7	-0.14

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	23.1 $\pm$ 7.16	1.78	100	0.00

Summary of results Waste acc to landfill directive (eluate ions) - AB18 - En-Score

Labcode: LC0023

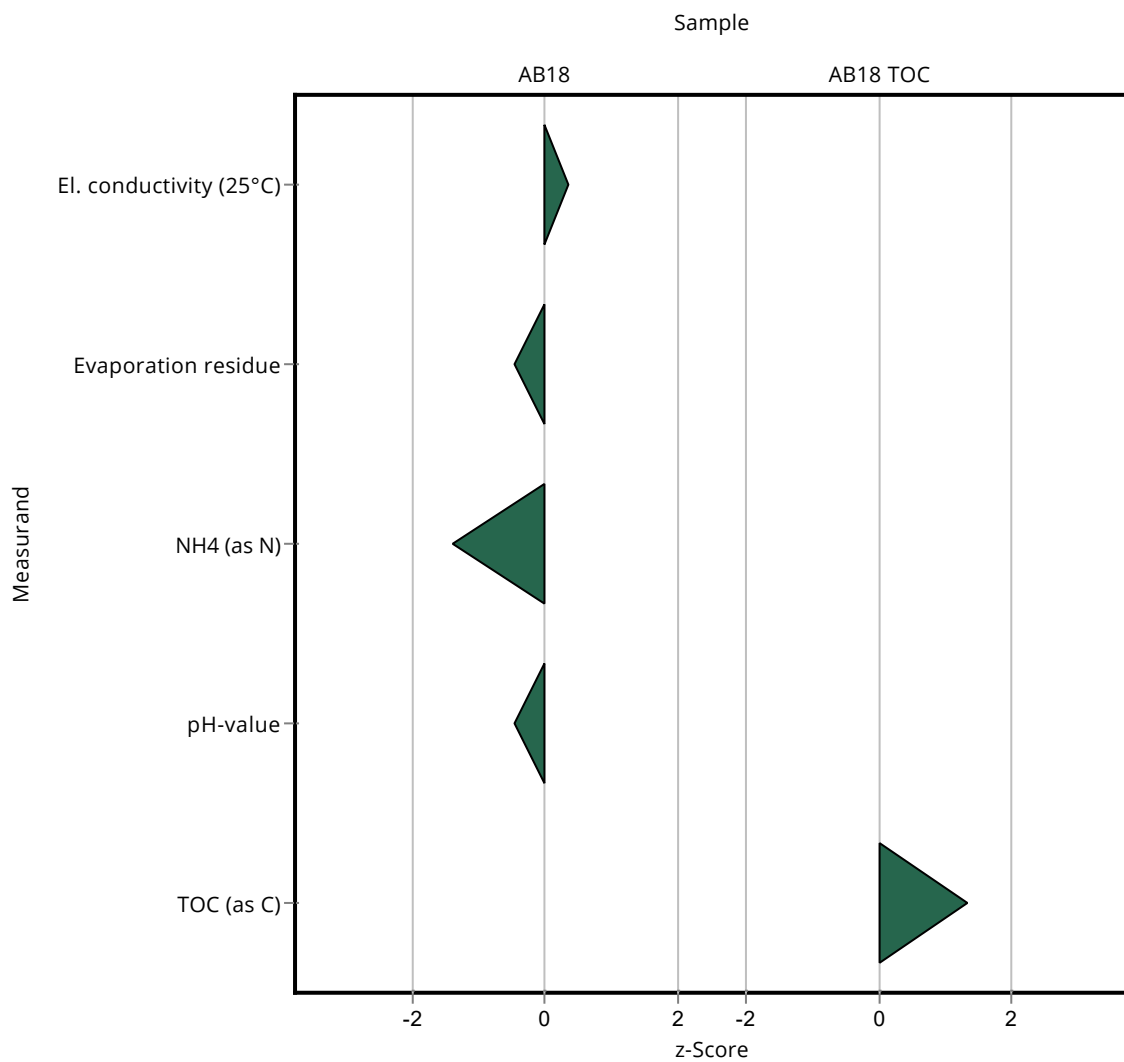


Sample: AB18

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	1670 $\pm$ 33.7	- $\pm$ -	83.5	-	-
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	756 $\pm$ 75.6	15	101	0.35
Evaporation residue	mg/l	5840 $\pm$ 122	5572 $\pm$ 1114	584	95.4	-0.46
Fluoride	mg/l	0.355 $\pm$ 0.0246	- $\pm$ -	0.0675	-	-
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	0.271 $\pm$ 0.0542	0.0472	80.4	-1.40
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	- $\pm$ -	0.0211	-	-
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	- $\pm$ -	0.216	-	-
pH-value		7.02 $\pm$ 0.0466	6.954 $\pm$ 0.6954	0.14	99.1	-0.47
PO ₄ (as P)	mg/l	- $\pm$ -	- $\pm$ -	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	- $\pm$ -	81.2	-	-

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	25.465 $\pm$ 5.093	1.78	110	1.32



Summary of results Waste acc to landfill directive (eluate ions) - AB18 - En-Score

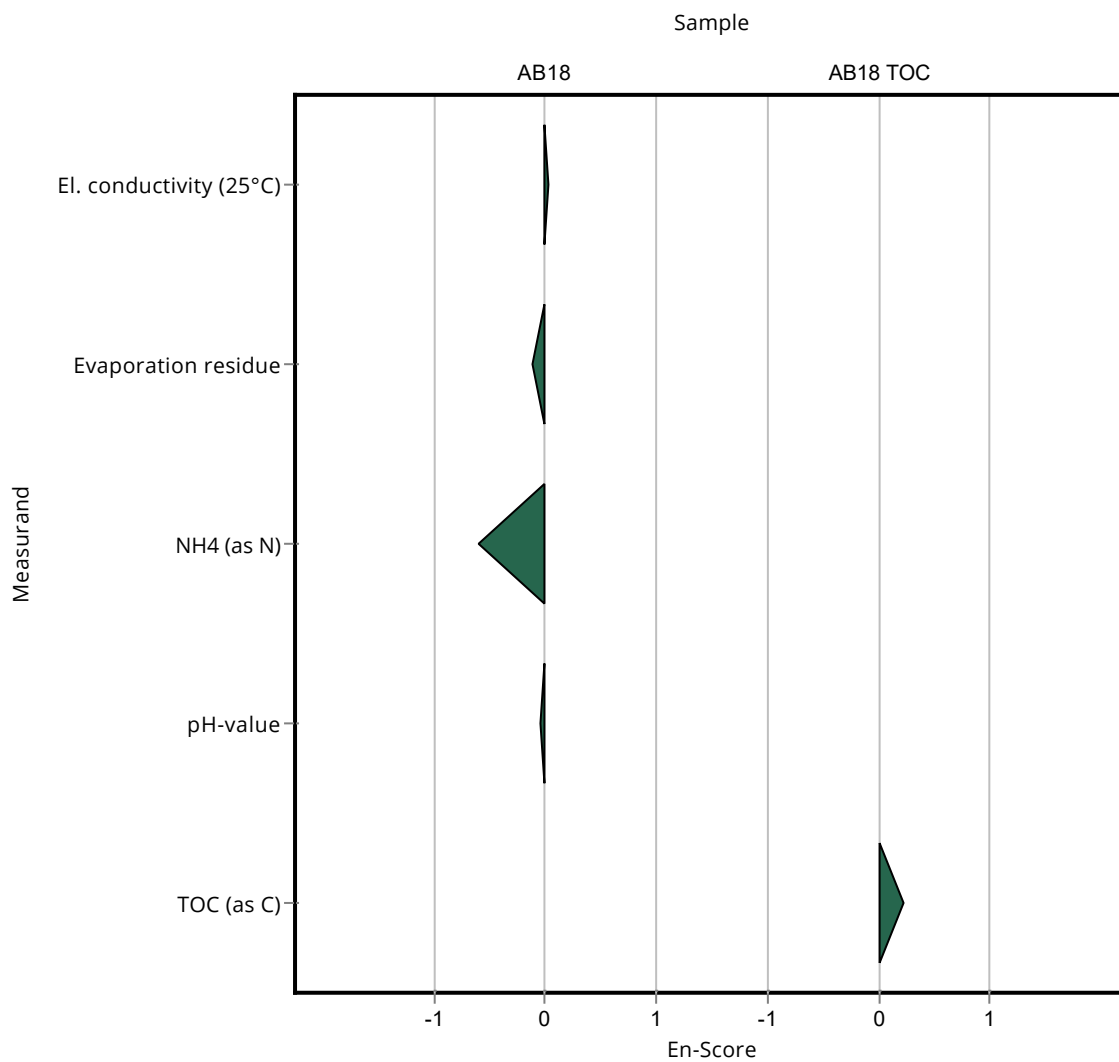
Labcode: LC0024

Sample: AB18

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	1670 $\pm$ 33.7	- $\pm$ -	83.5	-	-
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	756 $\pm$ 75.6	15	101	0.03
Evaporation residue	mg/l	5840 $\pm$ 122	5572 $\pm$ 1114	584	95.4	-0.12
Fluoride	mg/l	0.355 $\pm$ 0.0246	- $\pm$ -	0.0675	-	-
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	0.271 $\pm$ 0.0542	0.0472	80.4	-0.60
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	- $\pm$ -	0.0211	-	-
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	- $\pm$ -	0.216	-	-
pH-value		7.02 $\pm$ 0.0466	6.954 $\pm$ 0.6954	0.14	99.1	-0.05
PO ₄ (as P)	mg/l	- $\pm$ -	- $\pm$ -	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	- $\pm$ -	81.2	-	-

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	25.465 $\pm$ 5.093	1.78	110	0.23

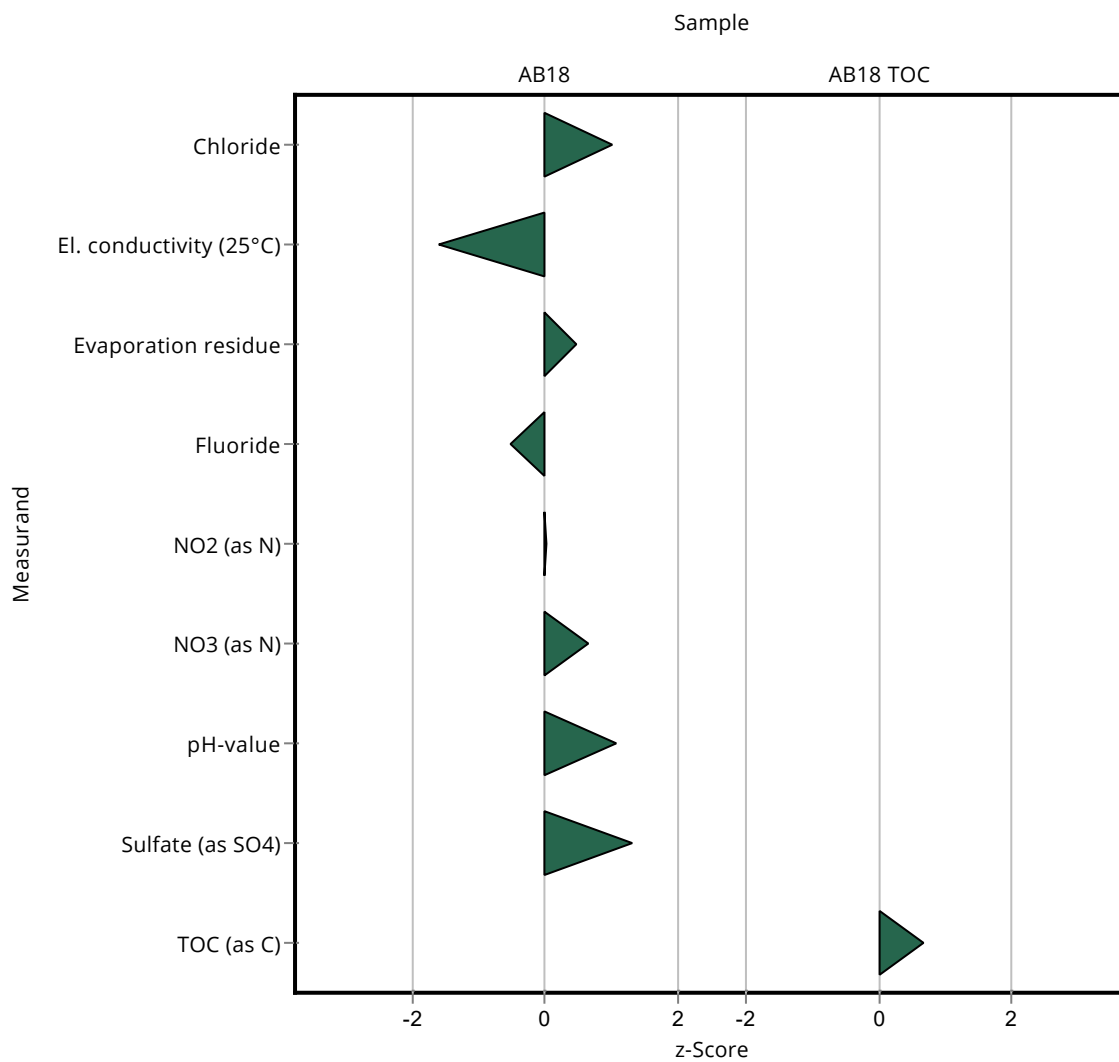


Sample: AB18

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	1670 $\pm$ 33.7	1753 $\pm$ 351	83.5	105	1.01
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	727 $\pm$ 51	15	96.8	-1.58
Evaporation residue	mg/l	5840 $\pm$ 122	6112 $\pm$ 917	584	105	0.46
Fluoride	mg/l	0.355 $\pm$ 0.0246	0.321 $\pm$ 0.067	0.0675	90.3	-0.51
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	- $\pm$ -	0.0472	-	-
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	0.249 $\pm$ 0.05	0.0211	100	0.03
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	2.837 $\pm$ 0.567	0.216	105	0.66
pH-value		7.02 $\pm$ 0.0466	7.17 $\pm$ 0.43	0.14	102	1.07
PO ₄ (as P)	mg/l	- $\pm$ -	0.0355 $\pm$ 0.0071	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	1729 $\pm$ 346	81.2	106	1.30

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	24.28 $\pm$ 4.37	1.78	105	0.66



Summary of results Waste acc to landfill directive (eluate ions) - AB18 - En-Score

Labcode: LC0025

Sample: AB18

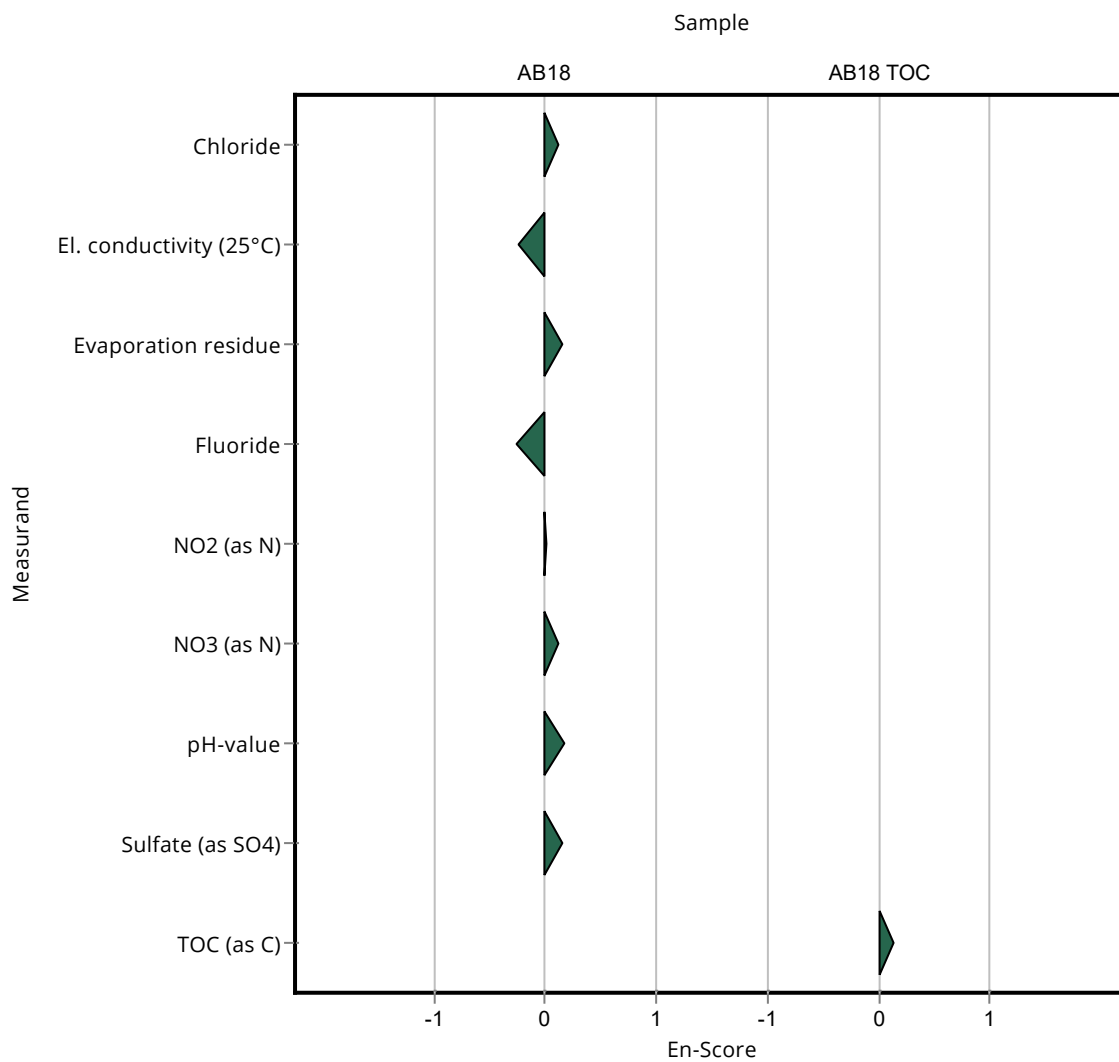
Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	1670 $\pm$ 33.7	1753 $\pm$ 351	83.5	105	0.12
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	727 $\pm$ 51	15	96.8	-0.23
Evaporation residue	mg/l	5840 $\pm$ 122	6112 $\pm$ 917	584	105	0.15
Fluoride	mg/l	0.355 $\pm$ 0.0246	0.321 $\pm$ 0.067	0.0675	90.3	-0.25
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	- $\pm$ -	0.0472	-	-
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	0.249 $\pm$ 0.05	0.0211	100	0.01
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	2.837 $\pm$ 0.567	0.216	105	0.12
pH-value		7.02 $\pm$ 0.0466	7.17 $\pm$ 0.43	0.14	102	0.17
PO ₄ (as P)	mg/l	- $\pm$ -	0.0355 $\pm$ 0.0071	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	1729 $\pm$ 346	81.2	106	0.15

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	24.28 $\pm$ 4.37	1.78	105	0.13

Summary of results Waste acc to landfill directive (eluate ions) - AB18 - En-Score

Labcode: LC0025

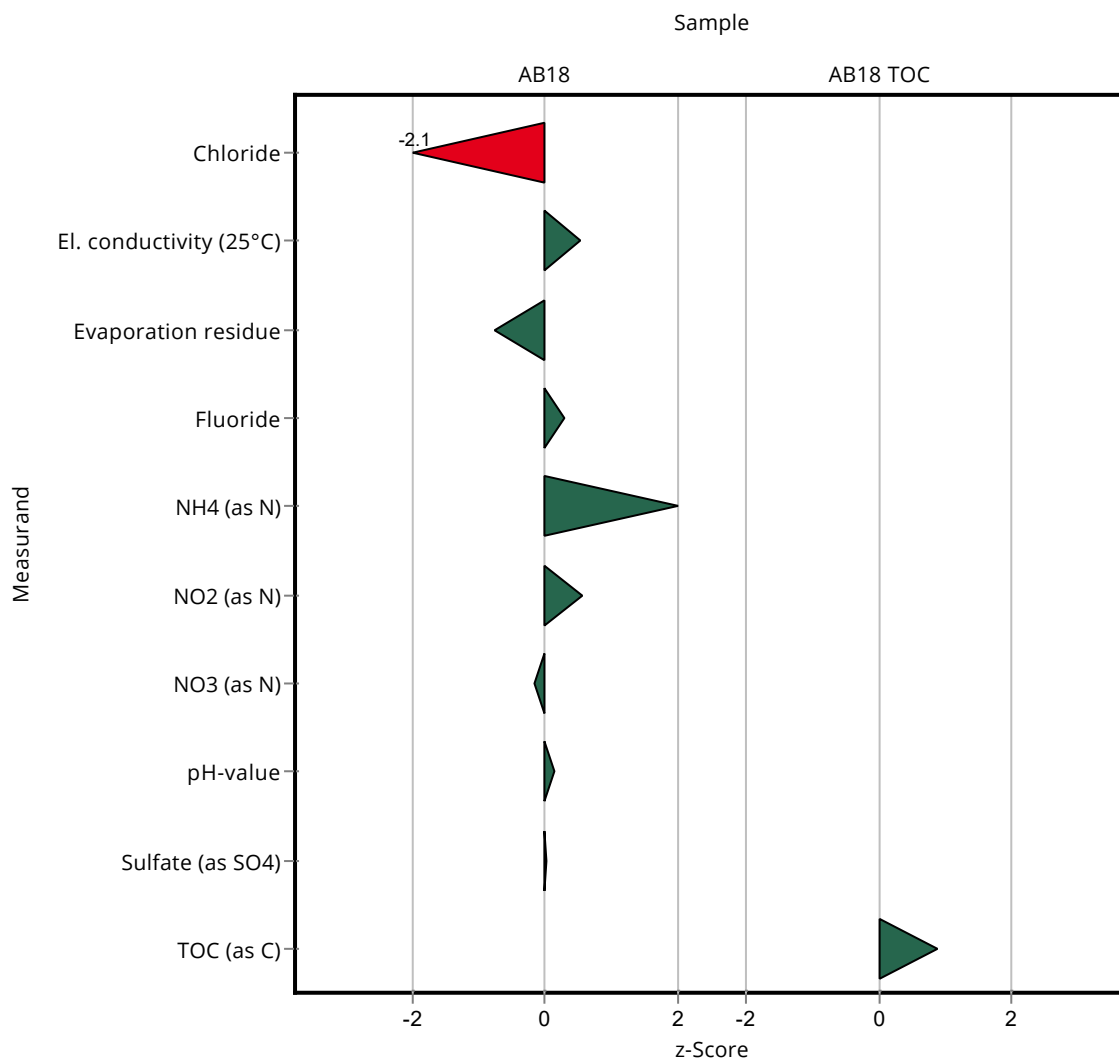


Sample: AB18

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	1670 $\pm$ 33.7	1493 $\pm$ 119	83.5	89.4	-2.11
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	758.5 $\pm$ 83.4	15	101	0.51
Evaporation residue	mg/l	5840 $\pm$ 122	5392 $\pm$ 701	584	92.3	-0.77
Fluoride	mg/l	0.355 $\pm$ 0.0246	0.374 $\pm$ 0.0561	0.0675	105	0.28
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	0.431 $\pm$ 0.125	0.0472	128	1.99
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	0.26 $\pm$ 0.0546	0.0211	105	0.55
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	2.66 $\pm$ 0.692	0.216	98.7	-0.16
pH-value		7.02 $\pm$ 0.0466	7.04 $\pm$ 0.493	0.14	100	0.15
PO ₄ (as P)	mg/l	- $\pm$ -	0.126 $\pm$ 0.0328	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	1626 $\pm$ 146	81.2	100	0.03

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	24.69 $\pm$ 4.19	1.78	107	0.89



Summary of results Waste acc to landfill directive (eluate ions) - AB18 - En-Score

Labcode: LC0026

Sample: AB18

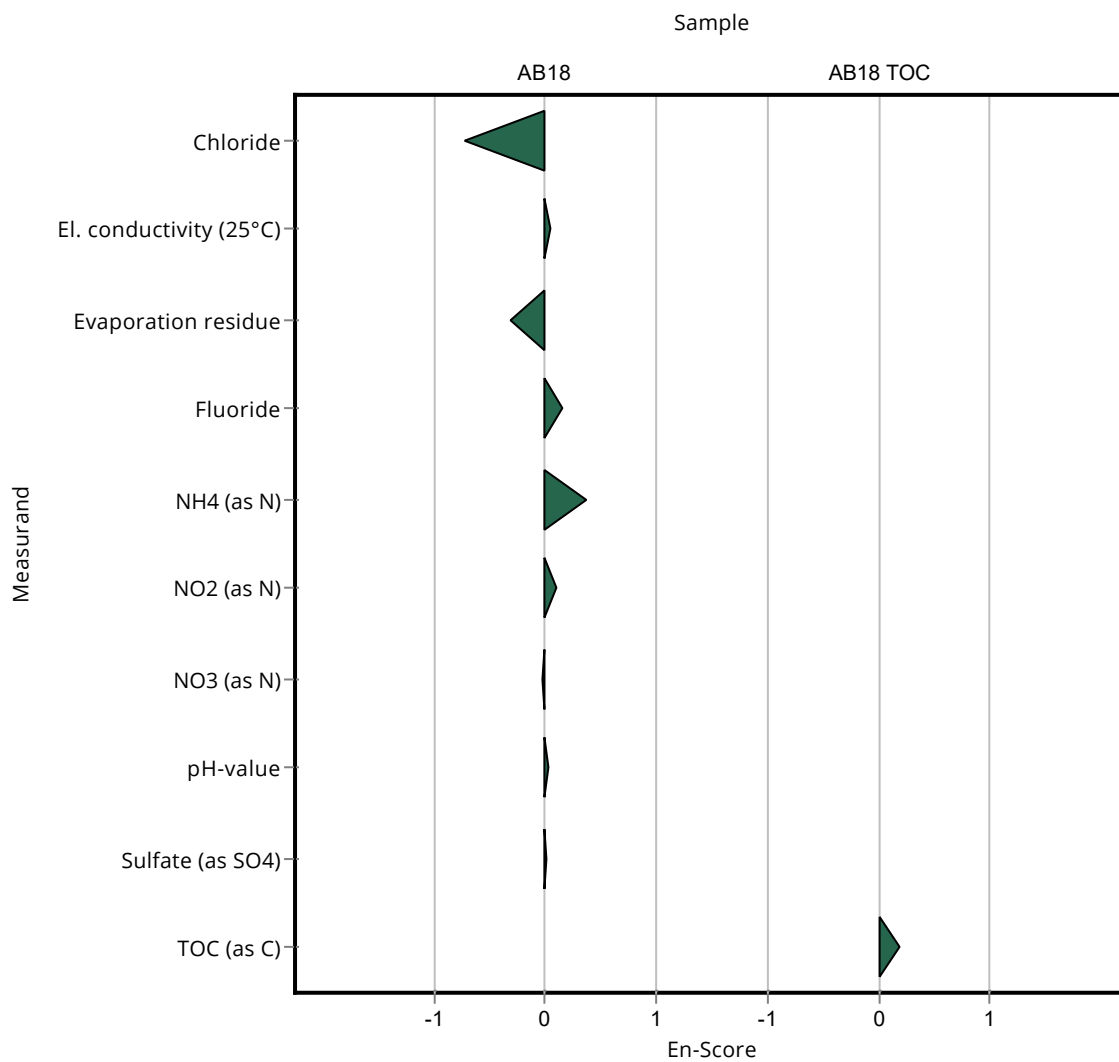
Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	1670 $\pm$ 33.7	1493 $\pm$ 119	83.5	89.4	-0.73
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	758.5 $\pm$ 83.4	15	101	0.05
Evaporation residue	mg/l	5840 $\pm$ 122	5392 $\pm$ 701	584	92.3	-0.32
Fluoride	mg/l	0.355 $\pm$ 0.0246	0.374 $\pm$ 0.0561	0.0675	105	0.16
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	0.431 $\pm$ 0.125	0.0472	128	0.38
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	0.26 $\pm$ 0.0546	0.0211	105	0.11
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	2.66 $\pm$ 0.692	0.216	98.7	-0.03
pH-value		7.02 $\pm$ 0.0466	7.04 $\pm$ 0.493	0.14	100	0.02
PO ₄ (as P)	mg/l	- $\pm$ -	0.126 $\pm$ 0.0328	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	1626 $\pm$ 146	81.2	100	0.01

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	24.69 $\pm$ 4.19	1.78	107	0.19

Summary of results Waste acc to landfill directive (eluate ions) - AB18 - En-Score

Labcode: LC0026

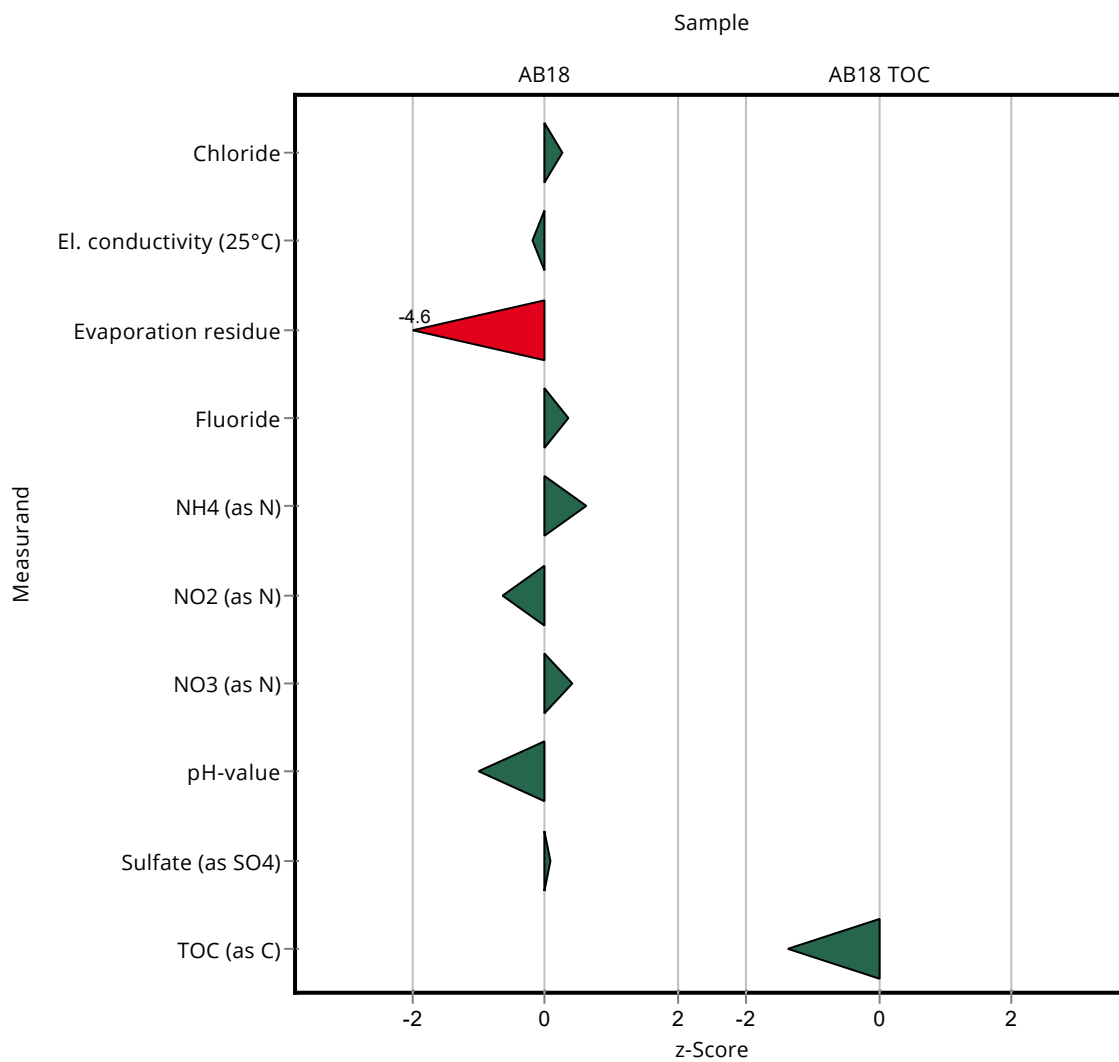


Sample: AB18

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	1670 $\pm$ 33.7	1690 $\pm$ 110	83.5	101	0.25
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	748 $\pm$ 22	15	99.6	-0.19
Evaporation residue	mg/l	5840 $\pm$ 122	3140 $\pm$ 450	584	53.7	-4.63
Fluoride	mg/l	0.355 $\pm$ 0.0246	0.378 $\pm$ 0.025	0.0675	106	0.33
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	0.366 $\pm$ 0.05	0.0472	109	0.62
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	0.235 $\pm$ 0.04	0.0211	94.6	-0.63
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	2.78 $\pm$ 0.12	0.216	103	0.39
pH-value		7.02 $\pm$ 0.0466	6.88 $\pm$ 0.03	0.14	98	-0.99
PO ₄ (as P)	mg/l	- $\pm$ -	0.222 $\pm$ 0.03	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	1630 $\pm$ 61	81.2	100	0.08

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	20.7 $\pm$ 1.1	1.78	89.6	-1.35



Summary of results Waste acc to landfill directive (eluate ions) - AB18 - En-Score

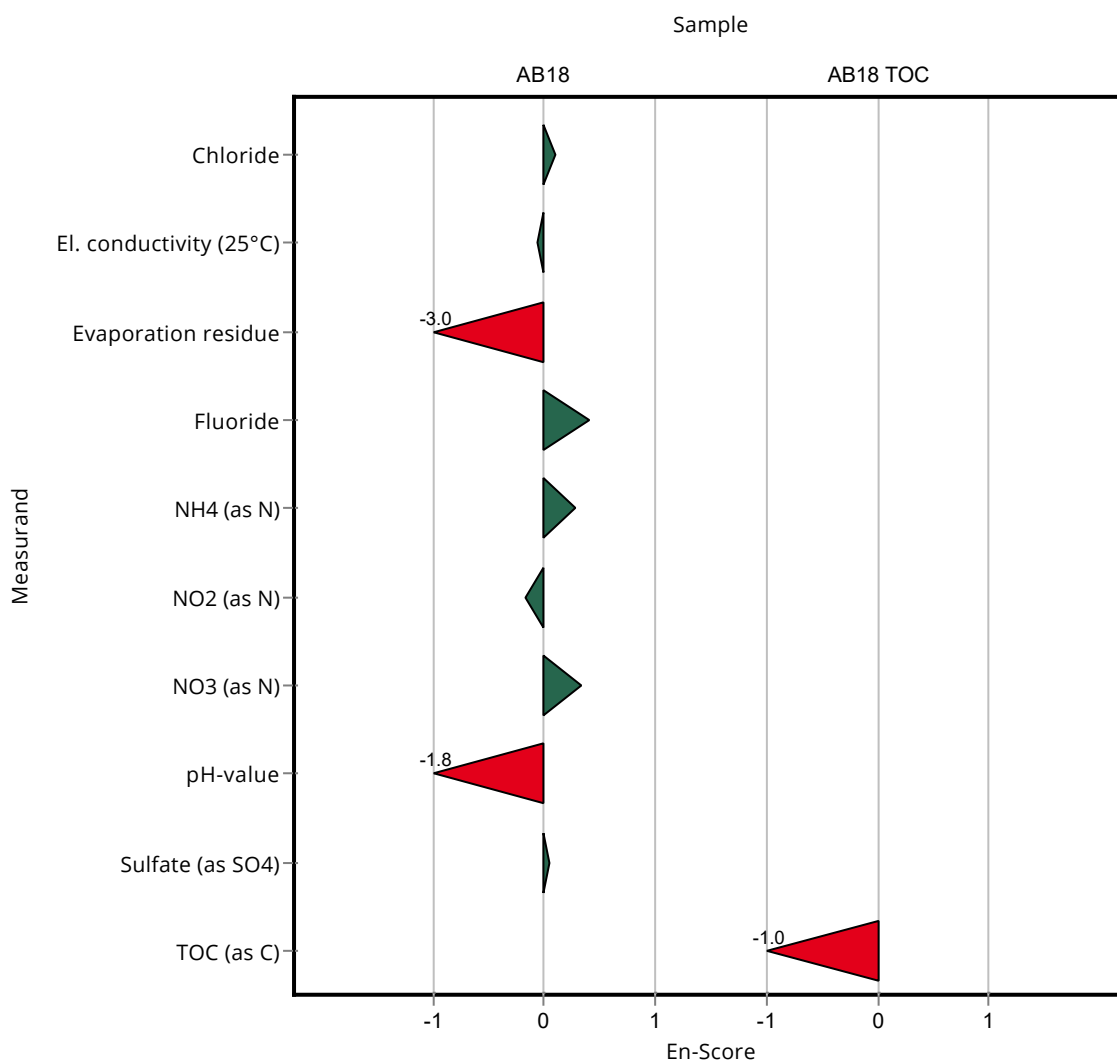
Labcode: LC0027

Sample: AB18

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	1670 $\pm$ 33.7	1690 $\pm$ 110	83.5	101	0.09
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	748 $\pm$ 22	15	99.6	-0.06
Evaporation residue	mg/l	5840 $\pm$ 122	3140 $\pm$ 450	584	53.7	-2.98
Fluoride	mg/l	0.355 $\pm$ 0.0246	0.378 $\pm$ 0.025	0.0675	106	0.41
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	0.366 $\pm$ 0.05	0.0472	109	0.29
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	0.235 $\pm$ 0.04	0.0211	94.6	-0.17
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	2.78 $\pm$ 0.12	0.216	103	0.33
pH-value		7.02 $\pm$ 0.0466	6.88 $\pm$ 0.03	0.14	98	-1.84
PO ₄ (as P)	mg/l	- $\pm$ -	0.222 $\pm$ 0.03	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	1630 $\pm$ 61	81.2	100	0.05

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	20.7 $\pm$ 1.1	1.78	89.6	-1.05

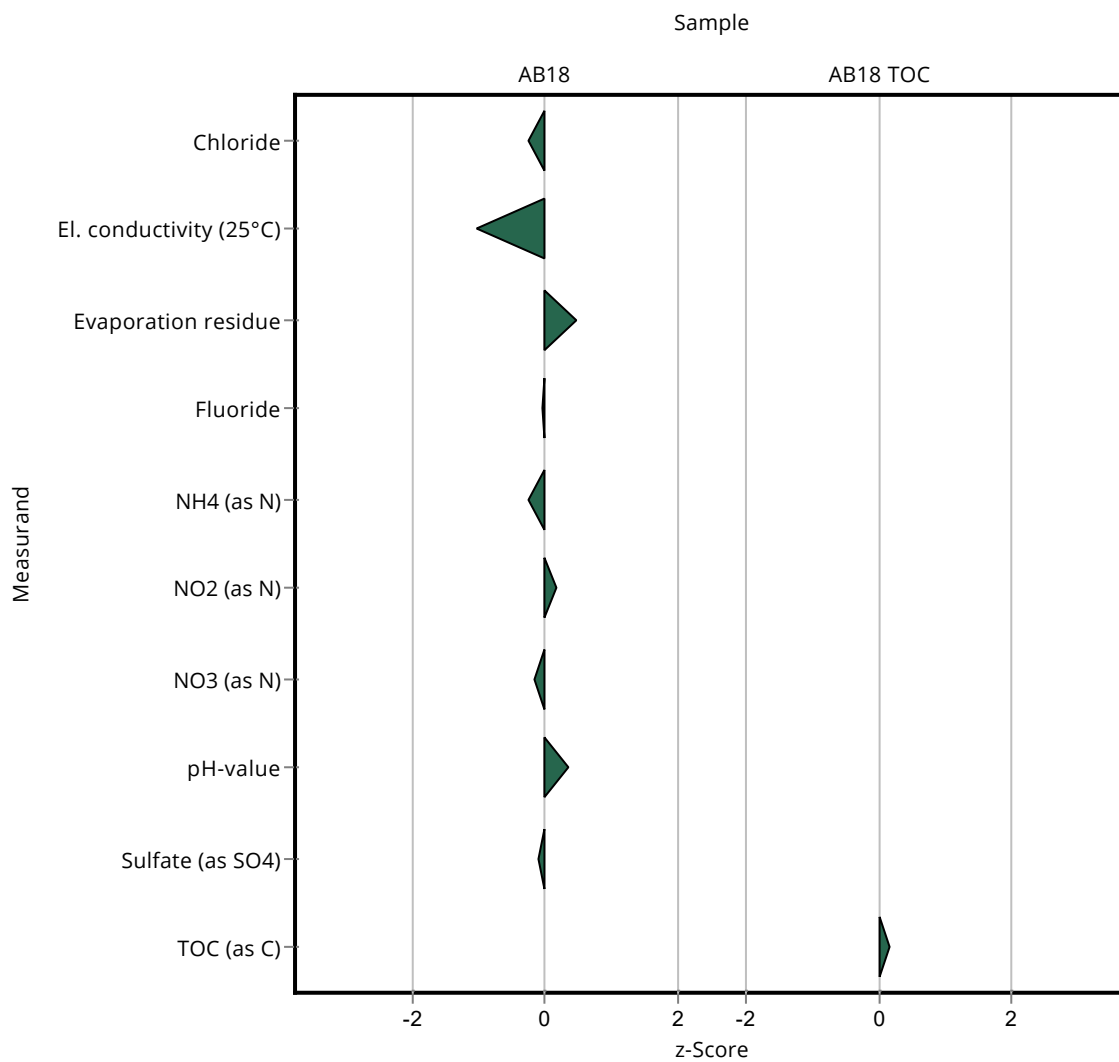


Sample: AB18

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	1670 $\pm$ 33.7	1648 $\pm$ 148	83.5	98.7	-0.25
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	735.4 $\pm$ 0.294	15	97.9	-1.03
Evaporation residue	mg/l	5840 $\pm$ 122	6111 $\pm$ 244	584	105	0.46
Fluoride	mg/l	0.355 $\pm$ 0.0246	0.352 $\pm$ 0.032	0.0675	99	-0.05
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	0.325 $\pm$ 0.059	0.0472	96.5	-0.25
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	0.252 $\pm$ 0.045	0.0211	101	0.17
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	2.66 $\pm$ 0.239	0.216	98.7	-0.16
pH-value		7.02 $\pm$ 0.0466	7.07 $\pm$ 0.283	0.14	101	0.36
PO ₄ (as P)	mg/l	- $\pm$ -	0.059 $\pm$ 0.011	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	1615 $\pm$ 145	81.2	99.5	-0.11

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	23.4 $\pm$ 2.11	1.78	101	0.16



Summary of results Waste acc to landfill directive (eluate ions) - AB18 - En-Score

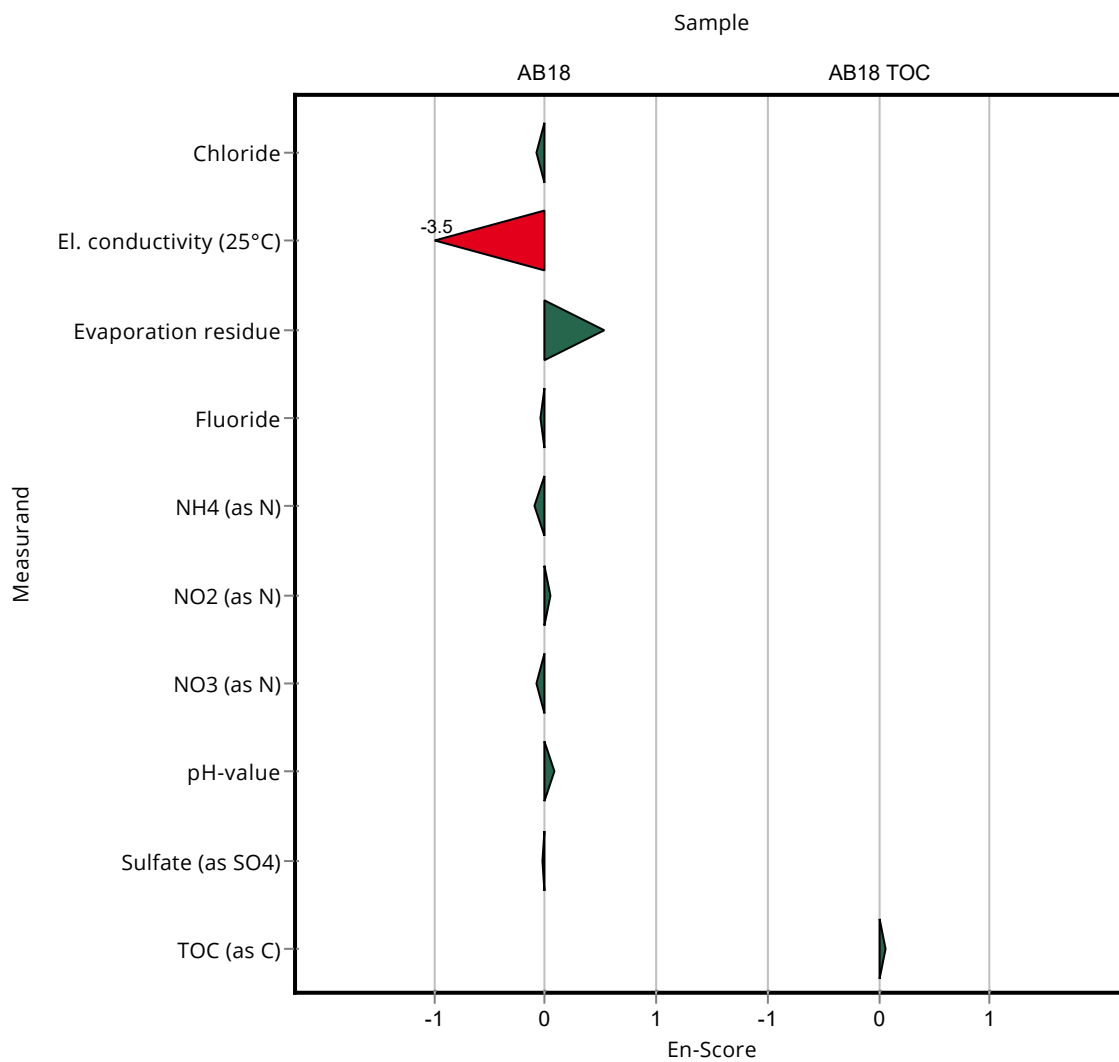
Labcode: LC0028

Sample: AB18

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	1670 $\pm$ 33.7	1648 $\pm$ 148	83.5	98.7	-0.07
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	735.4 $\pm$ 0.294	15	97.9	-3.53
Evaporation residue	mg/l	5840 $\pm$ 122	6111 $\pm$ 244	584	105	0.53
Fluoride	mg/l	0.355 $\pm$ 0.0246	0.352 $\pm$ 0.032	0.0675	99	-0.05
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	0.325 $\pm$ 0.059	0.0472	96.5	-0.10
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	0.252 $\pm$ 0.045	0.0211	101	0.04
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	2.66 $\pm$ 0.239	0.216	98.7	-0.07
pH-value		7.02 $\pm$ 0.0466	7.07 $\pm$ 0.283	0.14	101	0.09
PO ₄ (as P)	mg/l	- $\pm$ -	0.059 $\pm$ 0.011	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	1615 $\pm$ 145	81.2	99.5	-0.03

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	23.4 $\pm$ 2.11	1.78	101	0.07

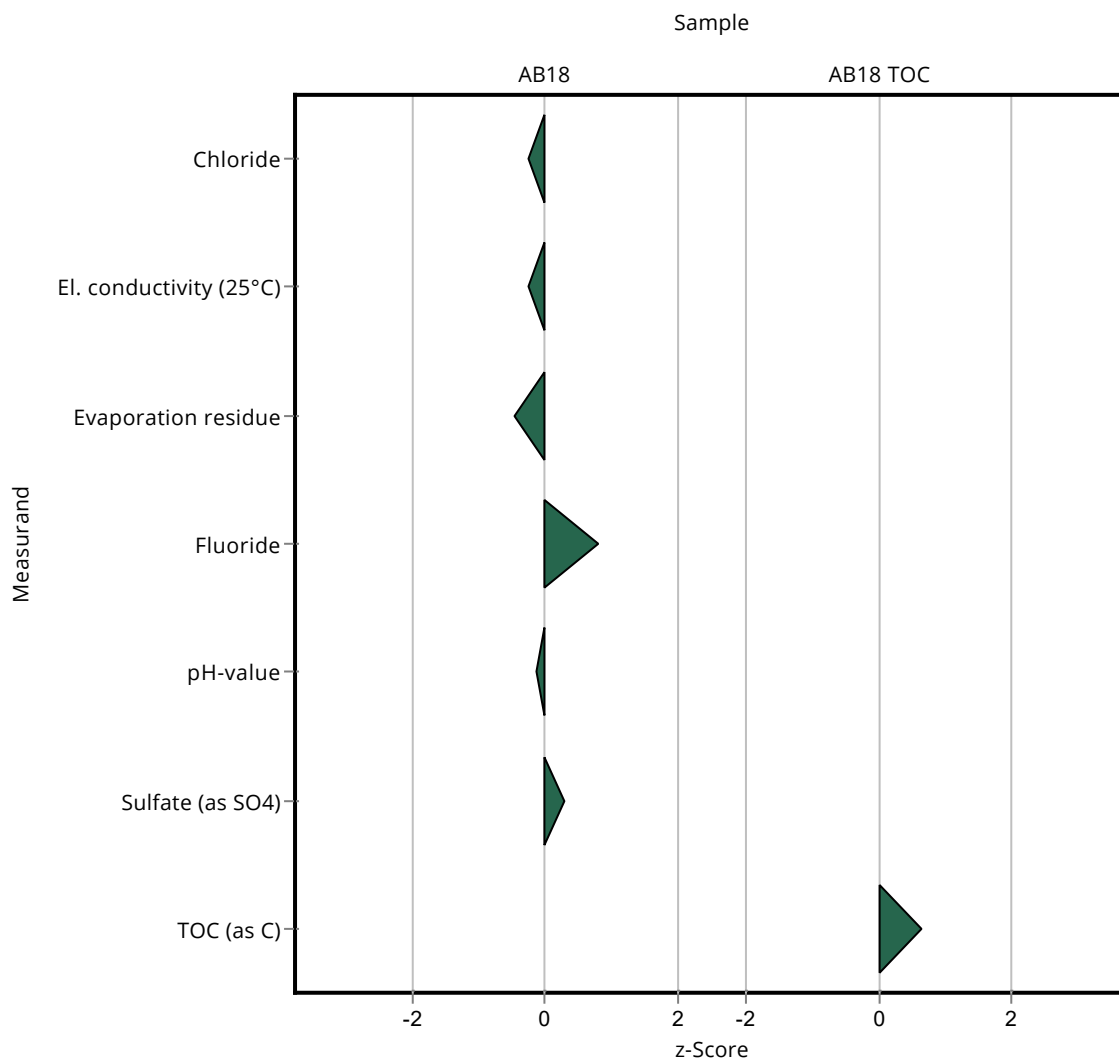


Sample: AB18

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	1670 $\pm$ 33.7	1649 $\pm$ 247	83.5	98.8	-0.24
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	747 $\pm$ 22.4	15	99.5	-0.25
Evaporation residue	mg/l	5840 $\pm$ 122	5569 $\pm$ 835	584	95.3	-0.47
Fluoride	mg/l	0.355 $\pm$ 0.0246	0.41 $\pm$ 0.082	0.0675	115	0.81
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	- $\pm$ -	0.0472	-	-
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	- $\pm$ -	0.0211	-	-
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	- $\pm$ -	0.216	-	-
pH-value		7.02 $\pm$ 0.0466	7 $\pm$ 0.1	0.14	99.7	-0.14
PO ₄ (as P)	mg/l	- $\pm$ -	- $\pm$ -	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	1648 $\pm$ 82.4	81.2	101	0.30

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	24.25 $\pm$ 3.638	1.78	105	0.64



Summary of results Waste acc to landfill directive (eluate ions) - AB18 - En-Score

Labcode: LC0029

Sample: AB18

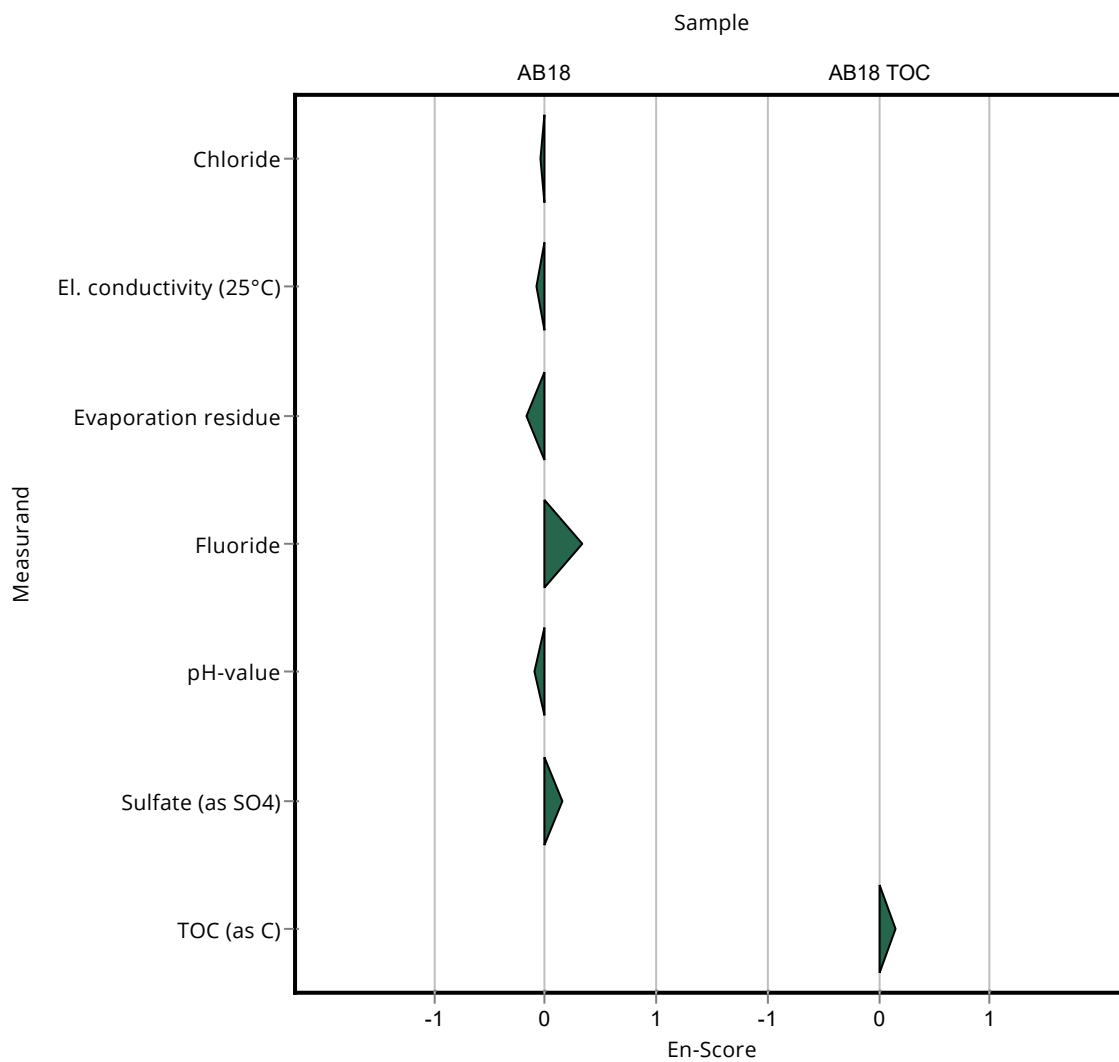
Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	1670 $\pm$ 33.7	1649 $\pm$ 247	83.5	98.8	-0.04
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	747 $\pm$ 22.4	15	99.5	-0.08
Evaporation residue	mg/l	5840 $\pm$ 122	5569 $\pm$ 835	584	95.3	-0.16
Fluoride	mg/l	0.355 $\pm$ 0.0246	0.41 $\pm$ 0.082	0.0675	115	0.33
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	- $\pm$ -	0.0472	-	-
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	- $\pm$ -	0.0211	-	-
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	- $\pm$ -	0.216	-	-
pH-value		7.02 $\pm$ 0.0466	7 $\pm$ 0.1	0.14	99.7	-0.09
PO ₄ (as P)	mg/l	- $\pm$ -	- $\pm$ -	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	1648 $\pm$ 82.4	81.2	101	0.15

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	24.25 $\pm$ 3.638	1.78	105	0.16

Summary of results Waste acc to landfill directive (eluate ions) - AB18 - En-Score

Labcode: LC0029

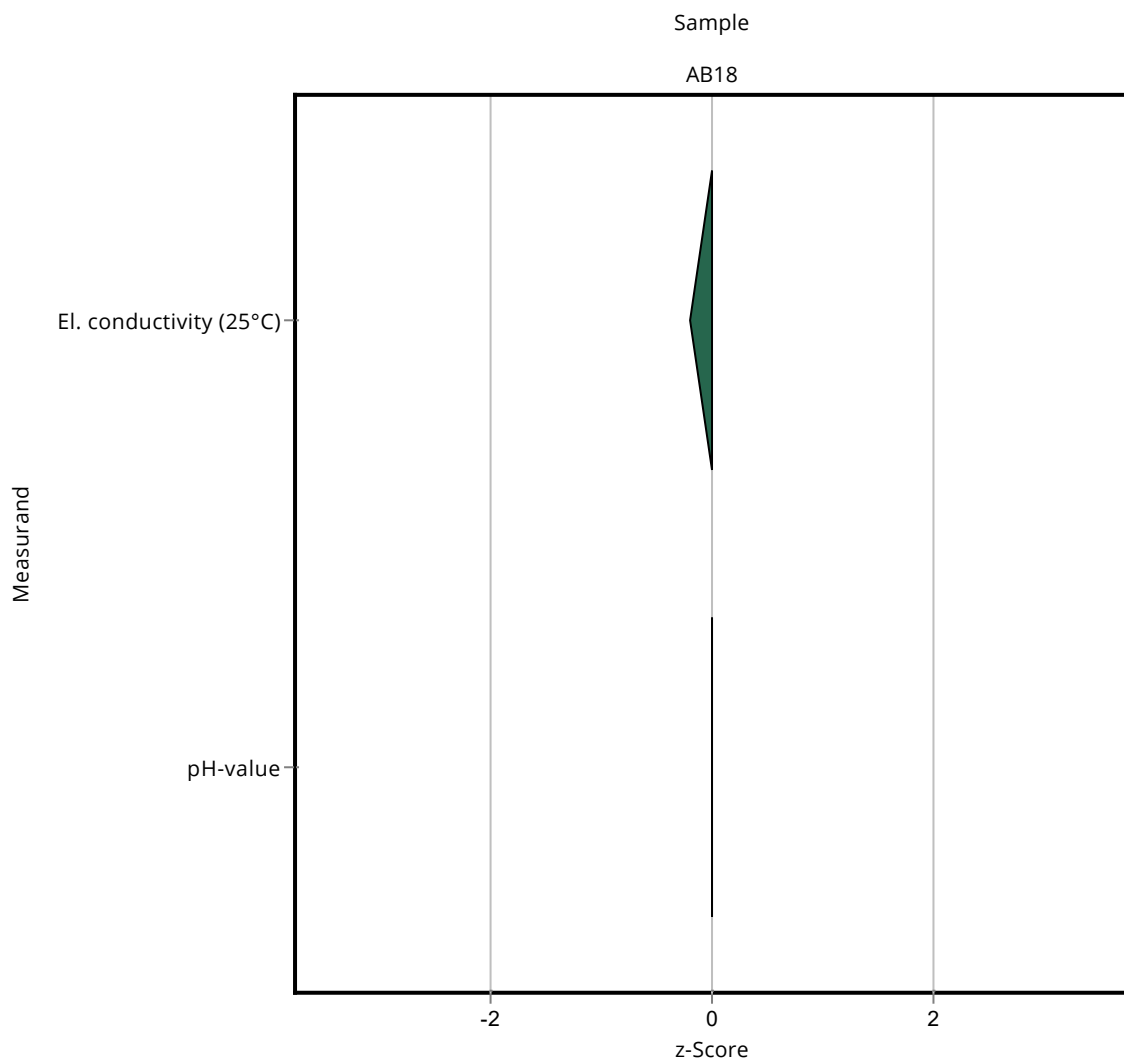


Sample: AB18

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	1670 $\pm$ 33.7	- $\pm$ -	83.5	-	-
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	747.91 $\pm$ 15	15	99.6	-0.19
Evaporation residue	mg/l	5840 $\pm$ 122	- $\pm$ -	584	-	-
Fluoride	mg/l	0.355 $\pm$ 0.0246	- $\pm$ -	0.0675	-	-
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	- $\pm$ -	0.0472	-	-
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	- $\pm$ -	0.0211	-	-
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	- $\pm$ -	0.216	-	-
pH-value		7.02 $\pm$ 0.0466	7.02 $\pm$ 0.2	0.14	100	0.00
PO ₄ (as P)	mg/l	- $\pm$ -	- $\pm$ -	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	- $\pm$ -	81.2	-	-

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	- $\pm$ -	1.78	-	-



Summary of results Waste acc to landfill directive (eluate ions) - AB18 - En-Score

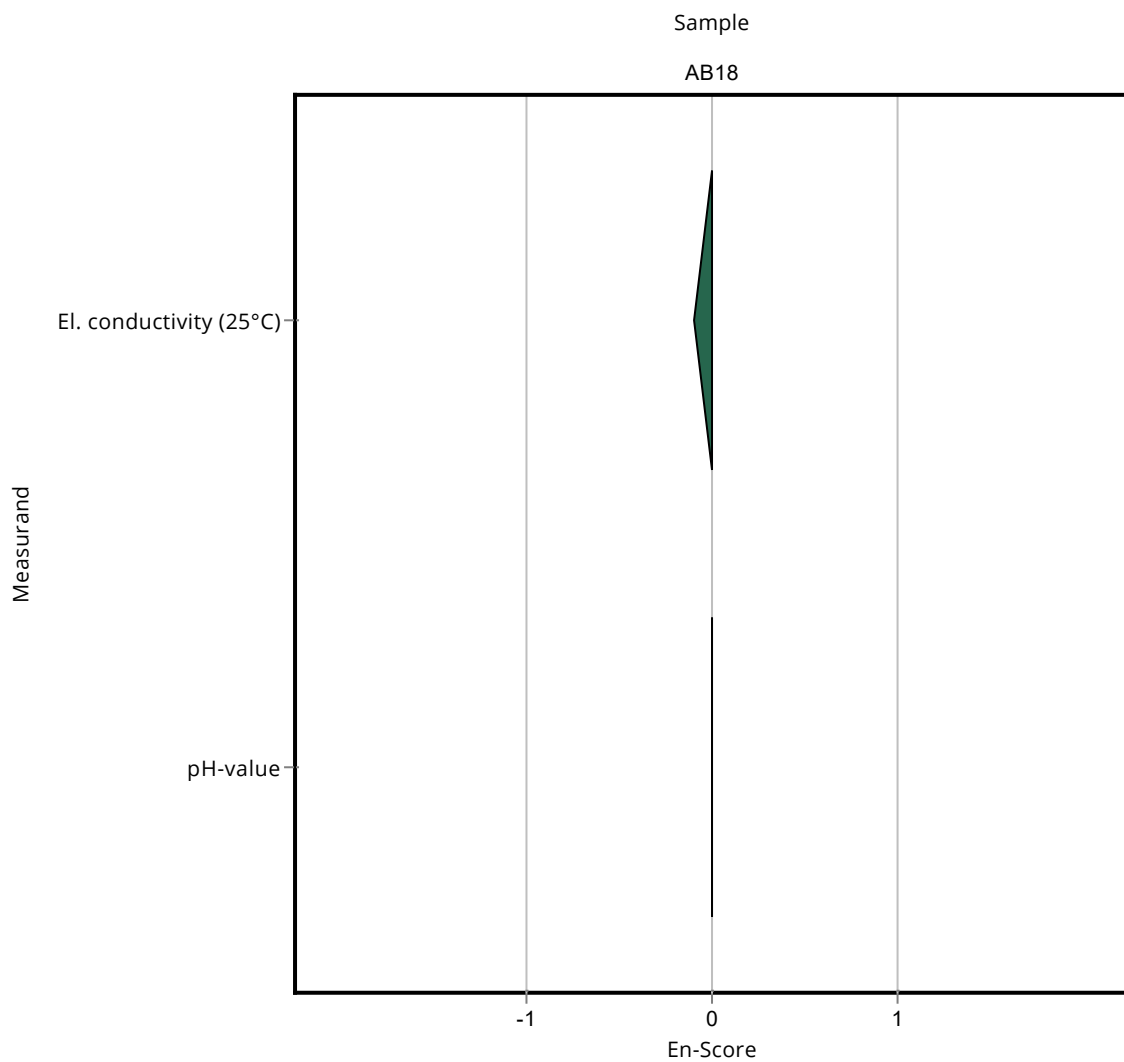
Labcode: LC0030

Sample: AB18

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	1670 $\pm$ 33.7	- $\pm$ -	83.5	-	-
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	747.91 $\pm$ 15	15	99.6	-0.10
Evaporation residue	mg/l	5840 $\pm$ 122	- $\pm$ -	584	-	-
Fluoride	mg/l	0.355 $\pm$ 0.0246	- $\pm$ -	0.0675	-	-
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	- $\pm$ -	0.0472	-	-
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	- $\pm$ -	0.0211	-	-
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	- $\pm$ -	0.216	-	-
pH-value		7.02 $\pm$ 0.0466	7.02 $\pm$ 0.2	0.14	100	0.00
PO ₄ (as P)	mg/l	- $\pm$ -	- $\pm$ -	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	- $\pm$ -	81.2	-	-

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	- $\pm$ -	1.78	-	-

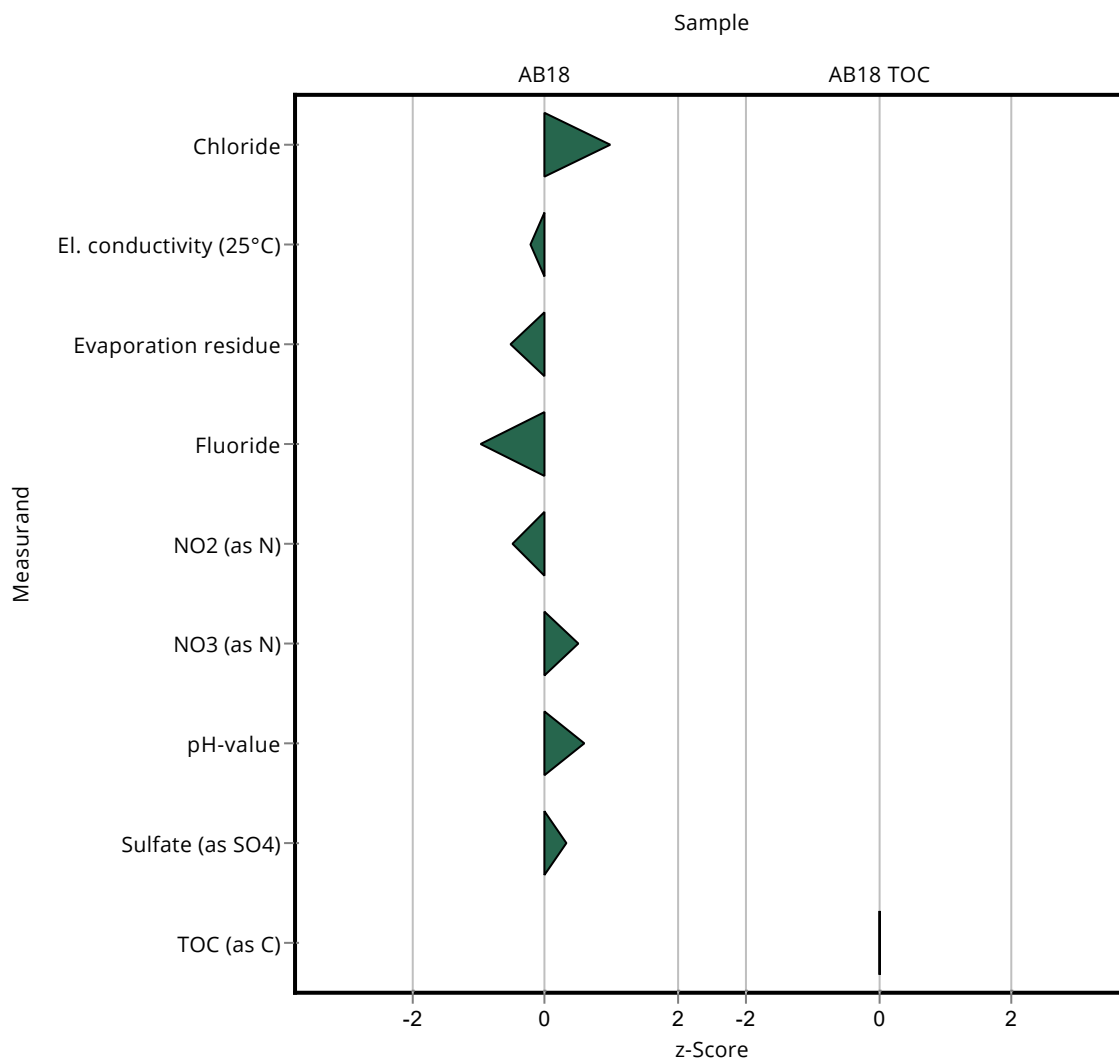


Sample: AB18

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
Chloride	mg/l	1670 $\pm$ 33.7	1750 $\pm$ 277	83.5	105	0.97
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	747.7 $\pm$ 20.9	15	99.6	-0.21
Evaporation residue	mg/l	5840 $\pm$ 122	5532 $\pm$ 550	584	94.7	-0.53
Fluoride	mg/l	0.355 $\pm$ 0.0246	0.29 $\pm$ 0.04	0.0675	81.6	-0.97
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	- $\pm$ -	0.0472	-	-
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	0.238 $\pm$ 0.041	0.0211	95.8	-0.49
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	2.8 $\pm$ 0.4	0.216	104	0.49
pH-value		7.02 $\pm$ 0.0466	7.1 $\pm$ 0.2	0.14	101	0.57
PO ₄ (as P)	mg/l	- $\pm$ -	- $\pm$ -	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	1650 $\pm$ 210	81.2	102	0.32

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	z-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	23.12 $\pm$ 1.31	1.78	100	0.01



Summary of results Waste acc to landfill directive (eluate ions) - AB18 - En-Score

Labcode: LC0031

Sample: AB18

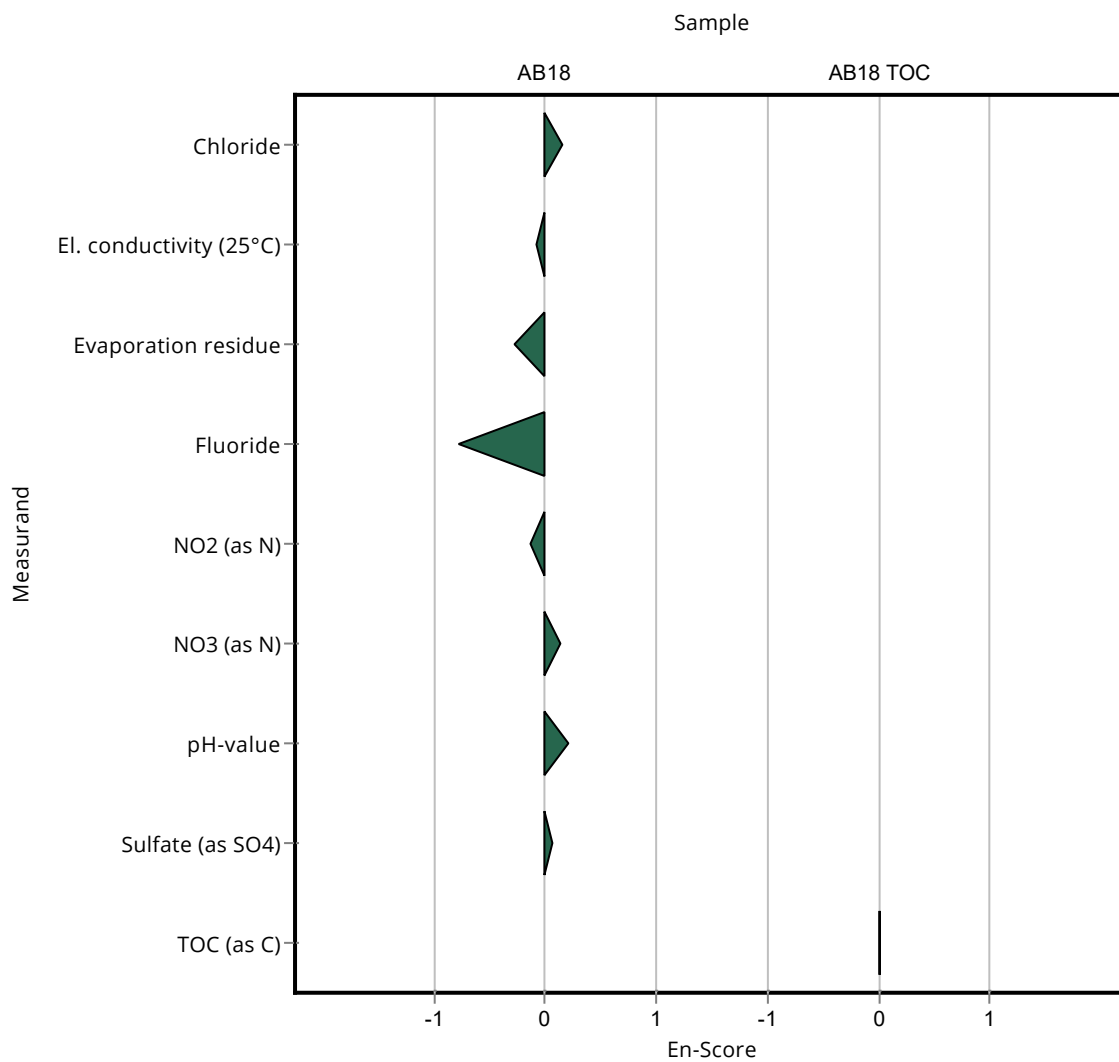
Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
Chloride	mg/l	1670 $\pm$ 33.7	1750 $\pm$ 277	83.5	105	0.15
El. conductivity (25°C)	mS/m	751 $\pm$ 4.32	747.7 $\pm$ 20.9	15	99.6	-0.07
Evaporation residue	mg/l	5840 $\pm$ 122	5532 $\pm$ 550	584	94.7	-0.28
Fluoride	mg/l	0.355 $\pm$ 0.0246	0.29 $\pm$ 0.04	0.0675	81.6	-0.78
NH ₄ (as N)	mg/l	0.337 $\pm$ 0.0189	- $\pm$ -	0.0472	-	-
NO ₂ (as N)	mg/l	0.248 $\pm$ 0.00825	0.238 $\pm$ 0.041	0.0211	95.8	-0.13
NO ₃ (as N)	mg/l	2.7 $\pm$ 0.0881	2.8 $\pm$ 0.4	0.216	104	0.13
pH-value		7.02 $\pm$ 0.0466	7.1 $\pm$ 0.2	0.14	101	0.20
PO ₄ (as P)	mg/l	- $\pm$ -	- $\pm$ -	-	-	-
Sulfate (as SO ₄)	mg/l	1620 $\pm$ 17.1	1650 $\pm$ 210	81.2	102	0.06

Sample: AB18TOC

Parameter	Unit	Assigned $\pm$ U (k=2) value	Result $\pm$ U	Criterion	Recovery [%]	En-Score
TOC (as C)	mg/l	23.1 $\pm$ 0.663	23.12 $\pm$ 1.31	1.78	100	0.00

Summary of results Waste acc to landfill directive (eluate ions) - AB18 - En-Score

Labcode: LC0031



E9. Methodenübersicht / Overview of methods

LabCode	Sample	Chloride	El. conductivity (25°C)	Evaporation residue	Fluoride
LC0001	AB18	EN ISO 10304-1;	EN 27888;	EN 15216;	EN ISO 10304-1;
LC0002	AB18	EN ISO 10304-1;	EN 27888;	DIN 38409-1;	EN ISO 10304-1;
LC0003	AB18	EN ISO 10304-1;	EN 27888; C8	EN 15216;	EN ISO 10304-1;
LC0004	AB18	EN ISO 10304-1;	EN 27888; C8	EN 15216;	EN ISO 10304-1;
LC0005	AB18	EN ISO 10304-1; IC	EN 27888;	DIN 38409-1;	EN ISO 10304-1; IC
LC0006	AB18	EN ISO 10304-1;	EN 27888;	DIN 38409-1;	EN ISO 10304-1;
LC0007	AB18	EN ISO 10304-1; IC	EN 13370;	DIN 38409-1; part 1	EN ISO 10304-1;
LC0008	AB18	EN ISO 10304-1;	EN 27888;	EN 15216;	EN ISO 10304-1;
LC0009	AB18	EN ISO 10304-1;	EN 27888;	EN 15216;	EN ISO 10304-1;
LC0010	AB18	EN ISO 10304-1; D20	EN 27888; C8	DIN 38409-9; H 9	EN ISO 10304-1; D20
LC0011	AB18	EN ISO 10304-1;	EN 27888;	EN 15216;	EN ISO 10304-1;
LC0012	AB18	EN ISO 10304-1; D20	EN 27888; C8	DIN 38409-1; H1	EN ISO 10304-1; D20
LC0013	AB18	EN ISO 10304-1;	EN 27888;	DIN 38409-1;	EN ISO 10304-1;
LC0014	AB18	EN ISO 10304-1;	EN 27888;	DIN 53172;	EN ISO 10304-1;
LC0015	AB18	EN ISO 10304-1; D20	EN 27888; C8		EN ISO 10304-1; D20
LC0016	AB18	EN ISO 10304-1;	EN 27888;	DIN 38409-1;	EN ISO 10304-1;
LC0017	AB18	EN ISO 10304-1;	EN 27888;	DIN 38409-1;	EN ISO 10304-1;
LC0018	AB18	EN ISO 10304-1; IC	EN 27888; automated pH analyzer	DIN 38409-1; gravimetric	EN ISO 10304-1; IC
LC0019	AB18	EN ISO 10304-1;	EN 27888;	EN 15216;	EN ISO 10304-1;
LC0020	AB18	DIN 38405-1;	EN 27888;	DIN 38409-1;	DIN 38405-4;
LC0021	AB18	EN ISO 10304-1; D20	EN 27888; C8	DIN 38409-1; H1	EN ISO 10304-1; D20
LC0022	AB18	EN ISO 10304-1; IC	EN 27888;	EN 15216;	EN ISO 10304-1; IC
LC0023	AB18	EN ISO 10304-1;	EN 27888;	DIN 38409-1;	DIN 38405-4;
LC0024	AB18		EN 27888;	DIN 38409-1;	
LC0025	AB18	EN ISO 10304-1;	EN 27888;	EN 15216;	DIN 38405-4;
LC0026	AB18	EN ISO 10304-1; D20	EN 27888; C8	EN 15216;	EN ISO 10304-1; D20
LC0027	AB18	EN ISO 10304-1;	EN 27888;	DIN 38409-1;	EN ISO 10304-1;
LC0028	AB18	EN ISO 10304-1;	EN 27888;	DIN 38409-1;	EN ISO 10304-1;
LC0029	AB18	EN ISO 10304-1;	EN 27888;	EN 15216;	EN ISO 10304-1;
LC0030	AB18		EN 27888;		
LC0031	AB18	EN ISO 10304-1;	EN 27888;	gravimetric;	EN ISO 10304-1;

LabCode	Sample	NH ₄ (as N)	NO ₂ (as N)	NO ₃ (as N)	pH-value
LC0001	AB18	EN ISO 11732;	EN ISO 13395;	EN ISO 10304-1;	EN ISO 10523;
LC0002	AB18	EN ISO 11732;	EN ISO 13395;	EN ISO 10304-1;	EN ISO 10523;
LC0003	AB18	EN ISO 11732;	EN 26777; D10	EN ISO 10304-1;	EN ISO 10523; C5
LC0004	AB18	DIN 38406-5; E5	EN 26777;	EN ISO 10304-1;	EN ISO 10523; C5
LC0005	AB18	ISO 15923-1;	EN 26777;	EN ISO 10304-1; IC	EN ISO 10523;
LC0006	AB18	EN ISO 11732;	EN ISO 13395;	EN ISO 10304-1;	EN ISO 10523;
LC0007	AB18	DIN 38406-5; E5-1	EN ISO 10304-1; IC	EN ISO 10304-1; IC	DIN 38404-5; part 5

LC0008	AB18	ISO 15923-1;	ISO 15923-1;	EN ISO 10304-1;	EN ISO 10523;
LC0009	AB18	EN ISO 11732;	EN ISO 13395;	EN ISO 10304-1;	EN ISO 10523;
LC0010	AB18	DIN 38406-5; E5	EN 26777; D10	DIN 38405-4; D4	EN ISO 10523; C5
LC0011	AB18	DIN 38406-5;	ISO 15923;	EN ISO 10304-1;	EN ISO 10523;
LC0012	AB18	DIN 38406-5; E5-1	EN ISO 10304-1; D20	EN ISO 10304-1; D20	EN ISO 10523; C5
LC0013	AB18	EN ISO 11732;	EN ISO 13395;	EN ISO 13395;	EN ISO 10523;
LC0014	AB18	EN ISO 11732;	EN ISO 13395;	EN ISO 13395;	EN ISO 10523;
LC0015	AB18				EN ISO 10523; C5
LC0016	AB18	DIN 38406-5;	EN ISO 10304-1;	EN ISO 10304-1;	EN ISO 10523;
LC0017	AB18	DIN 38406-5; ISO 7150-1	EN 26777;	EN ISO 10304-1;	EN ISO 10523; DIN 19268
LC0018	AB18	DIN 38406-5; photometric	EN 26777; photometric	EN ISO 10304-1; IC	EN ISO 10523; automated pH analyzer
LC0019	AB18	DIN 38406-5;	EN 26777;	EN ISO 10304-1;	EN ISO 10523;
LC0020	AB18	DIN 38406-5;	EN 26777; D10	DIN V 19735;	EN ISO 10390;
LC0021	AB18	EN ISO 11732; E23	EN ISO 10304-1; D20	EN ISO 10304-1; D20	EN ISO 10523; C5
LC0022	AB18	ISO 15923-1; discrete analyzer	ISO 15923-1; discrete analyzer	EN ISO 10304-1; IC	EN ISO 10523;
LC0023	AB18	EN ISO 11732;	EN 26777;	EN ISO 10304-1;	EN ISO 10523;
LC0024	AB18	DIN 38406-5;			EN ISO 10523;
LC0025	AB18		EN ISO 10304-1;	EN ISO 10304-1;	EN ISO 10523;
LC0026	AB18	EN ISO 10304-1; D20	EN ISO 13395; D28	EN ISO 10304-1; D20	EN ISO 10523; C5
LC0027	AB18	DIN 38406-5;	EN 26777;	EN ISO 10304-1;	EN ISO 10523;
LC0028	AB18	ISO 15923-1;	ISO 15923-1;	EN ISO 10304-1;	EN ISO 10523;
LC0029	AB18				EN ISO 10523;
LC0030	AB18				EN ISO 10523;
LC0031	AB18		EN 26777;	EN ISO 10304-1;	EN ISO 10523;

LabCode	Sample	PO₄ (as P)	Sulfate (as SO₄)
LC0001	AB18	EN ISO 15681-1;	EN ISO 10304-1;
LC0002	AB18	EN ISO 15681-2;	EN ISO 10304-1;
LC0003	AB18	EN ISO 6878; D11	EN ISO 10304-1;
LC0004	AB18		EN ISO 10304-1;
LC0005	AB18	ISO 15923-1;	EN ISO 10304-1; IC
LC0006	AB18	EN ISO 15681-2;	EN ISO 10304-1;
LC0007	AB18	EN ISO 10304-1; IC	EN ISO 10304-1; IC
LC0008	AB18	ISO 15923-1;	EN ISO 10304-1;
LC0009	AB18	EN ISO 15681-2;	EN ISO 10304-1;
LC0010	AB18	EN ISO 6878; D11	EN ISO 10304-1; D20
LC0011	AB18	EN ISO 6878;	EN ISO 10304-1;
LC0012	AB18	EN ISO 17294-2; ICP-MS	EN ISO 10304-1; D20
LC0013	AB18	EN ISO 6878;	EN ISO 10304-1;
LC0014	AB18	EN ISO 15681-2;	EN ISO 10304-1;
LC0015	AB18		EN ISO 10304-1; D20
LC0016	AB18	EN ISO 6878;	EN ISO 10304-1;

LC0017	AB18	EN ISO 6878;	EN ISO 10304-1;
LC0018	AB18	EN ISO 6878; photometric	EN ISO 10304-1; IC
LC0019	AB18	EN ISO 6878;	EN ISO 10304-1;
LC0020	AB18	EN ISO 11885;	DIN 38405-5;
LC0021	AB18	cuvette test photometry;	EN ISO 10304-1; D20
LC0022	AB18		EN ISO 10304-1; IC
LC0023	AB18	EN ISO 17294-2;	EN ISO 10304-1;
LC0024	AB18		
LC0025	AB18	EN ISO 10304-1;	EN ISO 10304-1;
LC0026	AB18	EN ISO 10304-1; D20	EN ISO 10304-1; D20
LC0027	AB18	EN ISO 6878;	EN ISO 10304-1;
LC0028	AB18	ISO 15923-1;	EN ISO 10304-1;
LC0029	AB18		EN ISO 10304-1;
LC0030	AB18		
LC0031	AB18		EN ISO 10304-1;

LabCode	Sample	TOC (as C)
LC0001	AB18TOC	EN 1484;
LC0002	AB18TOC	EN 1484;
LC0003	AB18TOC	EN 1484; H3
LC0004	AB18TOC	EN 1484;
LC0005	AB18TOC	EN 1484;
LC0006	AB18TOC	EN 1484;
LC0007	AB18TOC	EN 13137;
LC0008	AB18TOC	EN 1484;
LC0009	AB18TOC	EN 1484;
LC0010	AB18TOC	EN 1484; H3
LC0011	AB18TOC	EN 1484;
LC0012	AB18TOC	EN 1484; H3
LC0013	AB18TOC	EN 1484;
LC0014	AB18TOC	EN 1484;
LC0015	AB18TOC	EN 1484; H3
LC0016	AB18TOC	EN 1484;
LC0017	AB18TOC	
LC0018	AB18TOC	EN 1484; TOC analysis
LC0019	AB18TOC	EN 1484;
LC0020	AB18TOC	EN 1484;
LC0021	AB18TOC	EN 1484; H3
LC0022	AB18TOC	EN 1484;
LC0023	AB18TOC	EN 1484;
LC0024	AB18TOC	EN 1484;
LC0025	AB18TOC	EN 1484;

LC0026	AB18TOC	EN 1484; H3
LC0027	AB18TOC	EN 1484;
LC0028	AB18TOC	EN 1484;
LC0029	AB18TOC	EN 1484;
LC0030	AB18TOC	
LC0031	AB18TOC	EN 1484;