

Proficiency Testing Scheme

Umweltanalytik

AB13 Abfall nach der Deponie-VO (Gesamtgehalte)

Proficiency Testing Scheme

Environmental Analysis

AB13 Waste acc. to landfill directive (total contents)

BERICHT / REPORT

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Grund: Korrektur der Vergleichsstandardabweichung von Quecksilber in der Tabellenübersicht D6.2. Zusammenfassung der ausreißerbereinigten Ringversuchsergebnisse auf Seite 19/318 sowie Tabellenübersicht E6.2. auf Seite 33/318.

Justification of the amendment: Correction of reproducibility standard deviation of Mercury in table E6.2. Summary of results, after removal of outliers on page 33/318 as well as table D6.2. on page 19/318.

Hinweis: geänderte Passagen sind grau hinterlegt

Note: Amendments are marked in grey.

Dieser Report umfasst 318 Seiten.

This report comprises 318 pages.

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D1. Beschreibung des Ringversuchs

D1.1. Ausgestaltung und Durchführung

- Anzahl der Anmeldungen: 41
- Anzahl der übermittelten Datensätze: 40
- Probenversand: 19.09.2023
- Einsendeschluss der Daten: 17.10.2023

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

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

D1.2. Beschreibung der Prüfgegenstände

Die Abfallprobe wurde im September 2023 am Umweltbundesamt durch Vereinigung von auf $\leq 0,5$ mm vorgesiebten, luftgetrockneten Fraktionen aus Schlacke sowie kontaminierter Boden/Asche/Pyrolysekoksmischung hergestellt. Dafür wurden sämtliche Teilfraktionen zuvor ausführlich gemischt und homogenisiert und bei 0,5 mm gesiebt. Die Herstellung der finalen Abfüllungen für AB13 zu je 0,3 kg erfolgte durch fraktioniertes Schaufeln.

Die homogenen Prüfgegenstände wurden am 19.09.2023 verschickt.

Jedes Teilnehmerlabor erhielt:

- 1 Feststoffprobe Abfall zu 0,3 kg (AB13) – Korngröße $\leq 0,5$ mm, lufttrocken - abgefüllt in ein 500 ml HDPE Schraubgefäß

D1.3. Anweisungen für die Teilnehmenden

Aus Stabilitätsgründen wurde empfohlen bis spätestens 27.09.2023 mit den Analysen zu beginnen.

Die Teilnehmenden erhielten per Begleitschreiben im Paket und per Probenversand-E-Mail vom 19.09.2023 folgende Informationen:

„Die Probe ist vor der Einwaage zu homogenisieren. Bitte beachten Sie, dass die Metall-Gesamtgehalte nach den Vorgaben der Deponieverordnung (DVO) zu bestimmen sind (Königswasseraufschluss). Bitte geben Sie im Ringdat Online unter

der Rubrik Norm/Methode unbedingt die Norm für Aufschluss bzw. Extraktionsverfahren (inkl. Extraktionsmittel, Extraktionsmethode) sowie die Norm für die Analysenmethode an.

Das Ergebnis zur TOC-Bestimmung gemäß DVO ist unter dem Parameter "TOC" in mg/kg TM einzugeben. NEU 2023: Beim zusätzlichen Parameter "TOC_(ON L1080)" ist ausschließlich nach der Norm ÖNORM L1080:2021-12-15 zu arbeiten (Ergebnisangabe in %, bezogen auf die Trockenmasse).

Wir bitten Sie, bei Erhalt der Proben im Onlineformular zur Ergebniseingabe (siehe Link oben) folgende Angaben zu machen: Probeneingangsdatum, Zustand der Proben.

Folgende Parameter werden im Rahmen des Ringversuchs in mg/kg TM in Probe AB13 ausgewertet: Sb, As, Ba, Pb, Cd, Cr, Co, Cu, Mo, Ni, Hg, Se, Ag, V, Zn, Sn, TOC, Kohlenwasserstoff-Index (KW-Index), PAK (Summe der 16 Polyzyklischen Aromatischen Kohlenwasserstoffe nach EPA), Benzo(a)pyren. Ausnahmen: Trockenmasse wird in % ausgewertet; TOC_(ON L1080) wird in % TM ausgewertet; Glühverlust (550°C) wird in % TM ausgewertet.“

Darüber hinaus stand den Teilnehmenden 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 jeweils n=5 Kontrollproben den Laboren zur Analyse übergeben.

Die Gesamtgehalte (Metalle, Trockenmasse) wurden in der Prüfstelle am Umweltbundesamt (Prüfstelle für Umwelt-, GVO- & Treibstoffanalytik) zeitnah zum Probenversand analysiert.

Die Bestimmung von TOC, Kohlenwasserstoff-Index, Summe 16 PAK (nach EPA) sowie Benzo(a)pyren, Glühverlust (550°C) und TOC_(ON L1080) wurde an ein externes Labor (akkreditiert nach EN ISO/IEC 17025 für alle Parameter bis auf TOC nach ÖNORM L1080:2021) 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 17.10.2023 beim Veranstalter vorliegen. Später eingehende Werte wurden nicht berücksichtigt.

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

Nach Abschluss der Plausibilitätsprüfung, wurde der Ausreißertest nach Hampel durchgeführt und die Ausreißer ermittelt. Die von diesem Test auffällig 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 selber Zahlenwert bzw. bei wenig abgegebenen Daten mit sehr hoher Streuung), kann eine Ausreißereliminierung nach weiteren Kriterien erfolgen (z.B. Dean- und Dixon Test bzw. manuelle Ausreißerdefinition aufgrund Expertenbefund). Diese Vorgangsweise wird nach Anwendung unter Punkt D4 des Berichts dokumentiert.

Die weitere Auswertung erfolgte gemäß ISO 5725-2. Eine statistische Auswertung der Ringversuchsdaten erfolgte erst ab zumindest 6 gültigen, numerischen Ergebnissen pro Parameter (Ausnahme: Zusatz TOC_ON L1080, siehe Kennzeichnung mit **). Ergebnisse kleiner Bestimmungs- oder Nachweisgrenze wurden bei den Berechnungen nicht berücksichtigt.

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

Bei sehr hohen Streuungen der Ergebnisse der Teilnehmenden von über 50 % oder bei mangelhafter Rückführbarkeit der statistischen Kenndaten aus den ausreißerbereinigten Ergebnissen der Teilnehmenden auf den Mittelwert des Kontrolllabores bzw. einer zu geringen Anzahl an ausreißerbereinigten Ergebnissen über die Gruppe der akkreditierten Labore, kann die Situation auftreten, dass kein zugewiesener Wert für den aktuellen Ringversuch festgelegt werden kann und daher keine Bewertung der Ergebnisse der Teilnehmenden für diesen Parameter möglich ist. Ein entsprechender Hinweis wird im Bericht unter E7 bei der informativen Auswertung angebracht. Im Rahmen der internen Qualitätssicherung der Teilnehmenden kann ein Vergleich mit den Ergebnissen des Kontrolllabors durchgeführt werden. Diese Vorgehensweise wird bei Anwendung jeweils parameter- und probenbezogen unter Punkt D4 des Berichts dokumentiert.

D2. Kriterien der Leistungsbewertung

D2.1. Leistungskriterium z-Score

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

Die Ermittlung der z-Scores erfolgte gemäß nachfolgender Formel:

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

Dabei ist:

x_i	Messergebnis des teilnehmenden Labors
\bar{X}	zugewiesener Wert Sollwert für die Leistungsbewertung der Teilnehmenden (angegeben auf 3 signifikante Stellen); im Regelfall: ausreißerbereinigter Mittelwert der Ergebnisse der Teilnehmenden. Eine davon abweichende Vorgehensweise wird unter Punkt D4 des Berichts beschrieben.
<i>Kriterium</i>	Vergleichsstandardabweichung berechnet aus den Statistiken der 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 Feststoffproben 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:

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

Dabei ist:

x_i	Messergebnis des teilnehmenden Labors
\bar{X}	zugewiesener Wert Sollwert für die Leistungsbewertung der Teilnehmenden (angegeben auf 3 signifikante Stellen); im Regelfall: ausreißerbereinigter Mittelwert der Ergebnisse der Teilnehmenden. Eine davon abweichende Vorgehensweise wird unter Punkt D4 des Berichts beschrieben.
$U(x_i)$	erweiterte Messunsicherheit des Messergebnisses (Ergebnisse der Teilnehmenden), k=2
$U(\bar{X})$	erweiterte Messunsicherheit des zugewiesenen Wertes, k=2

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

Interpretation der z-Scores:

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

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

Interpretation der E_n -Scores:

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

Hinweis: Bei der Bewertung mittels E_n -Score erfolgt die Berücksichtigung der erweiterten Messunsicherheiten der Teilnehmenden und des zugewiesenen Wertes. $|E_n\text{-Score}| > 1.0$ können darauf hinweisen, dass die 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 Silber, Blei, Summe 16 PAK, Benz(a)pyren bei Probe AB13: Bei diesen Parametern erfolgte die Berechnung der Scores nach D2.

Für Silber, Blei, Chrom, KW-Index, Summe 16 PAK, Benz(a)pyren wurde die aktuelle Vergleichsstandardabweichung (vR), gerundet auf 2 signifikante Stellen für die Bewertung gewählt.

Für Kupfer, Molybdän, Nickel, Antimon, Zinn, Vanadium, TOC (als C), Trockenmasse und Glühverlust gelten nachfolgend angeführte Vergleichsstandardabweichungen für die Bewertung (Expert:innenbefund bzw. vR über akkreditierte Labore ohne Hampelausreißer).

Parameter Arsen, Barium, Cobalt, Chrom, Selen, Vanadium, Zink, KW-Index bei Probe AB13: 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.

Parameter Kupfer, Molybdän, Nickel, Zink, TOC (als C), Glühverlust (550°C), TOC_(ON L1080) bei Probe AB13: Die relative Vergleichsstandardabweichung lag hier unter 10 % (Kupfer 5.2 %; Molybdän 9.4 %; Nickel 8.9 %; Zink 5.9 %; TOC (als C) 5.3 %; Glühverlust(550°C) 5 %; TOC_(ON L1080) 5.9 %). Für diese Parameter wurden relative Vergleichsstandardabweichungen (vR) von 10 % für die Bewertung gewählt (Expert:innenbefund, aufgerundet auf 10 %).

Parameter Arsen, Barium, Cadmium, Cobalt, Antimon, Selen, Zinn, Vanadium, Trockenmasse bei Probe AB13: Für diese Parameter wurden folgende relative Vergleichsstandardabweichungen (vR) für die Bewertung gewählt: 0.5 % für Trockenmasse (Expert:innenbefund; aufgerundet – statt 0.2 % aktuelle vR), 15 % für die Parameter Arsen, Cadmium, Antimon, Zinn und Vanadium (jeweils Expert:innenbefund vR aufgerundet) und 18 % für Cobalt (vR akkreditierte Labore), 33 % für Selen (vR akkreditierte Labore ohne Hampelausreißer) und 40 % für Barium (vR über akkreditierte Labore ohne Hampelausreißer).

Parameter Quecksilber bei Probe AB13: Die auf Basis der Ergebnisse der Teilnehmenden berechneten Sollwerte lagen außerhalb der Messunsicherheit des Kontrollwertes und es ist über das Kontrolllabor keine Rückführbarkeit möglich. Da die relative Vergleichsstandardabweichung der akkreditierten Labore über 50 % lag, konnte kein zugewiesener Wert berechnet werden. Für Quecksilber wurde zum informativen Vergleich im Rahmen der Qualitätssichernden Maßnahmen der Teilnehmenden ein Mittelwert über die akkreditierten Teilnehmenden mit Messmethode CV-AAS bzw. AFS (ohne Hampelausreißer) ermittelt (Kennzeichnung *).

Zusatz TOC_(ON L1080): Für die informative statistische Bewertung des zusätzlichen Parameters TOC_(ON L1080) wurden alle vorliegenden akkreditierten Ergebnisse ausgewählt, die nach ÖNORM L1080 analysiert haben (n=3 Labore) (Kennzeichnung **). Weiters wurde zusätzlich ein informativer Mittelwert über alle vorliegenden Ergebnisse gemäß ÖNORM L1080 ohne Hampelausreißer berechnet (n=7 Labore). Zur Bewertung wurde eine relative Vergleichsstandardabweichung von 10 % als Kriterium herangezogen.

D5. Erläuterung zu Tabellen und Grafiken

D5.1. Angaben und Abkürzungen in Tabellen

Parameter	Allgemeine Bezeichnung des Analysenparameters
Probe	Bezeichnung der übermittelten Probe
Einheit	Vorgegebene Einheit für Messwert und Ergebnisunsicherheit (z.B.mg/kg TM)
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)

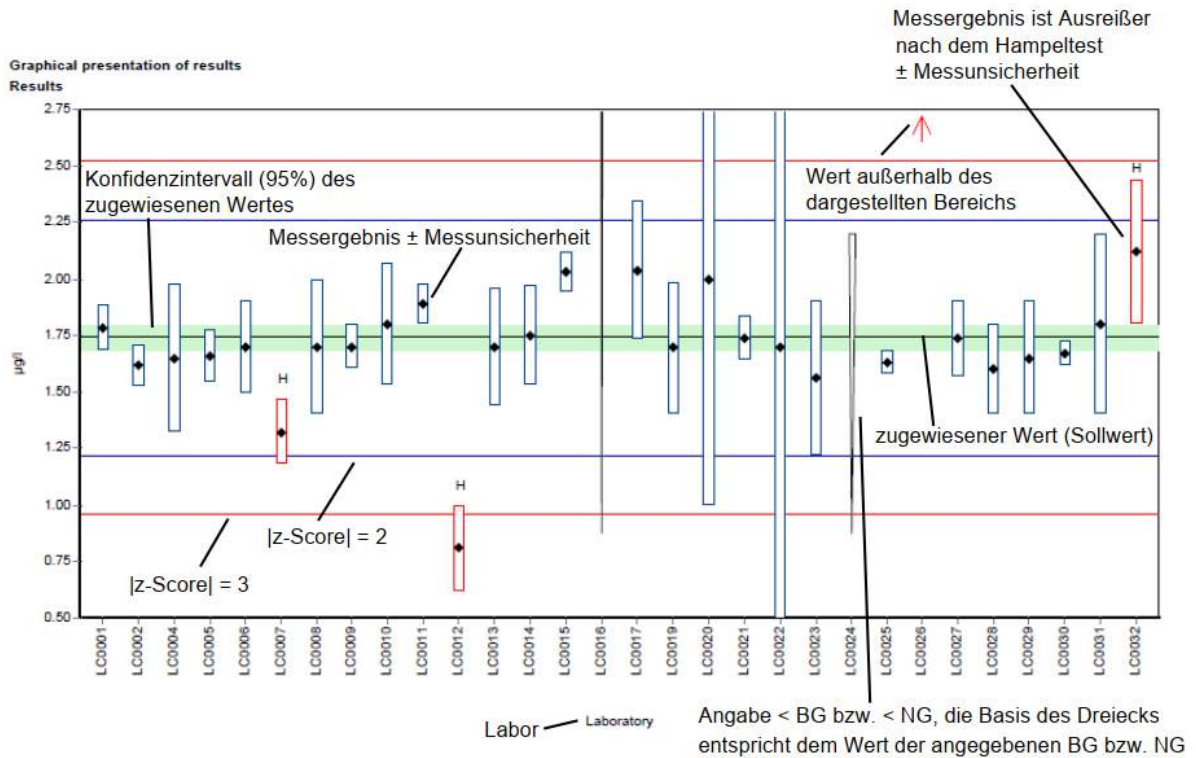
Kontrollwert \pm U (k=2)	Mittelwert der Kontrollmessungen des Veranstalters \pm erweiterte Ergebnisunsicherheit des Kontrollwertes (jeweils angegeben auf 3 signifikante Stellen)
Laborcode	anonymisierte, eindeutige Kennung des teilnehmenden Labors im jeweiligen Ringversuch
Messwert	einzelne(r) Messwert(e) lt. Angabe der Teilnehmenden (maximal 5 Nachkommastellen dargestellt)
Messergebnis	Für die Bewertung herangezogenes Ergebnis lt. Angabe der Teilnehmenden (maximal 5 Nachkommastellen dargestellt). Bei Eignungsprüfungsrunden mit Vorgabe von unabhängigen Mehrfachbestimmungen, entspricht dies dem berechneten Mittelwert aus den einzelnen Messwerten der Teilnehmenden.
\pm U	kombinierte Messunsicherheit ohne Erweiterungsfaktor (k=1) lt. Angabe der Teilnehmenden (maximal 5 Nachkommastellen dargestellt)
BG	Bestimmungsgrenze
NG	Nachweisgrenze
WF	Wiederfindungsrate in %, bezogen auf den zugewiesenen Wert (angegeben auf 3 signifikante Stellen, dargestellt maximal 1 Nachkommastelle)
MW	Mittelwert
z-Score	Abweichung des Messergebnisses zum zugewiesenen Wert, ausgedrückt als Vielfaches des Kriteriums (angegeben auf 3 signifikante Stellen, dargestellt maximal 2 Nachkommastellen)
E _n -Score	Abweichung des Messergebnisses zum zugewiesenen Wert, ausgedrückt als Vielfaches der kombinierten Messunsicherheiten, bestehend aus erweiterter Unsicherheit des zugewiesenen Wertes und der erweiterten Unsicherheit der Messergebnisse der Teilnehmenden (angegeben auf 3 signifikante Stellen, dargestellt maximal 2 Nachkommastellen). Beim E _n -Score erfolgt die Berücksichtigung der Messunsicherheit der Teilnehmenden.
-	Keine Daten übermittelt bzw. keine Berechnung möglich
Anmerkungen	Anmerkungen zum jeweiligen Messergebnis (z.B. H, FN, FP)
H	Ausreißer nach dem Hampel-Test
FN	Falsch negativ – Messergebnis kleiner Bestimmungs- bzw. Nachweisgrenze 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 (hier: Ableitung des informativen Vergleichswertes für Quecksilber)
**	Kennzeichnung für informative Bewertung (hier: für Zusatz TOC_ON(L1080))

D5.2. Graphische Darstellung der Ergebnisse

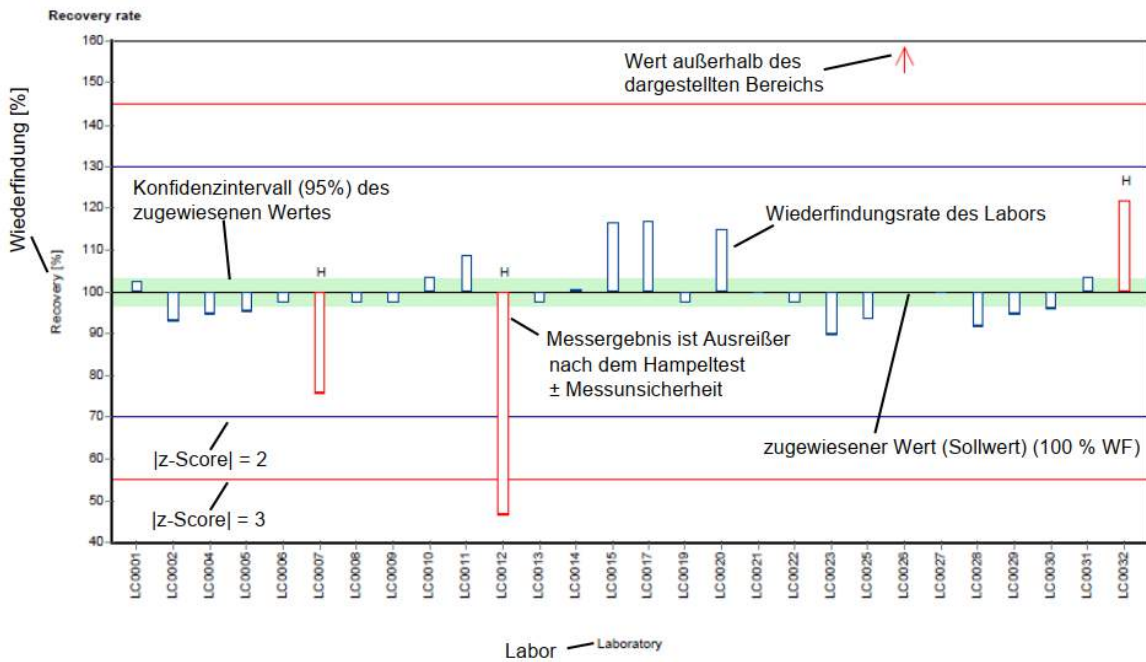
Nachfolgend wird die graphische Darstellung anhand von kommentierten Beispieldiagrammen erläutert.

Beispieldiagramm: Messwerte



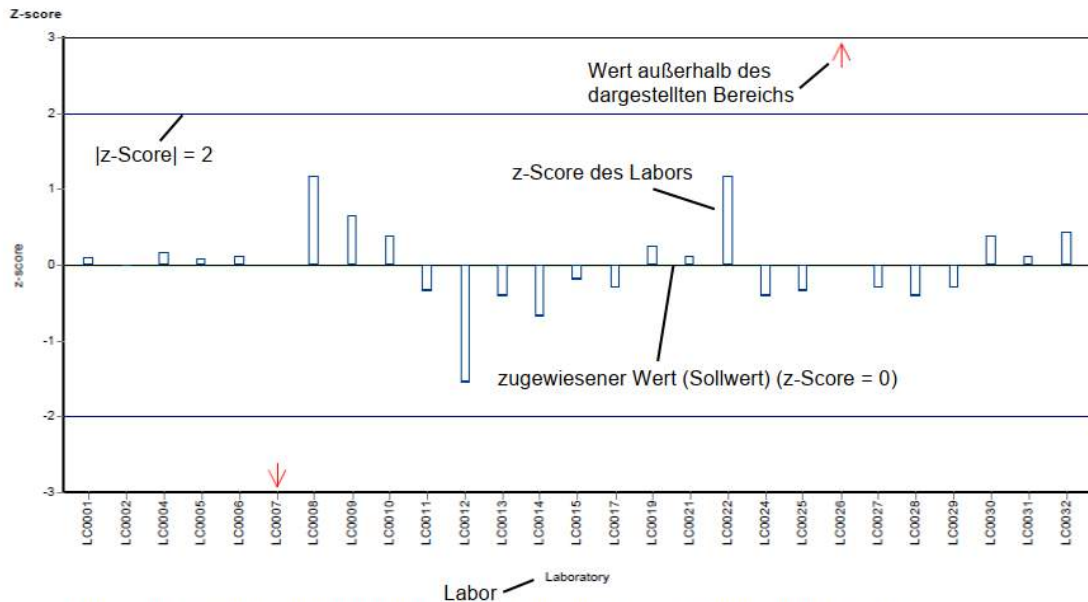
Unterschiedliche Analysenmethoden werden mit unterschiedlichen Farben kenntlich gemacht.

Beispieldiagramm: Wiederfindung zum zugewiesenen Wert



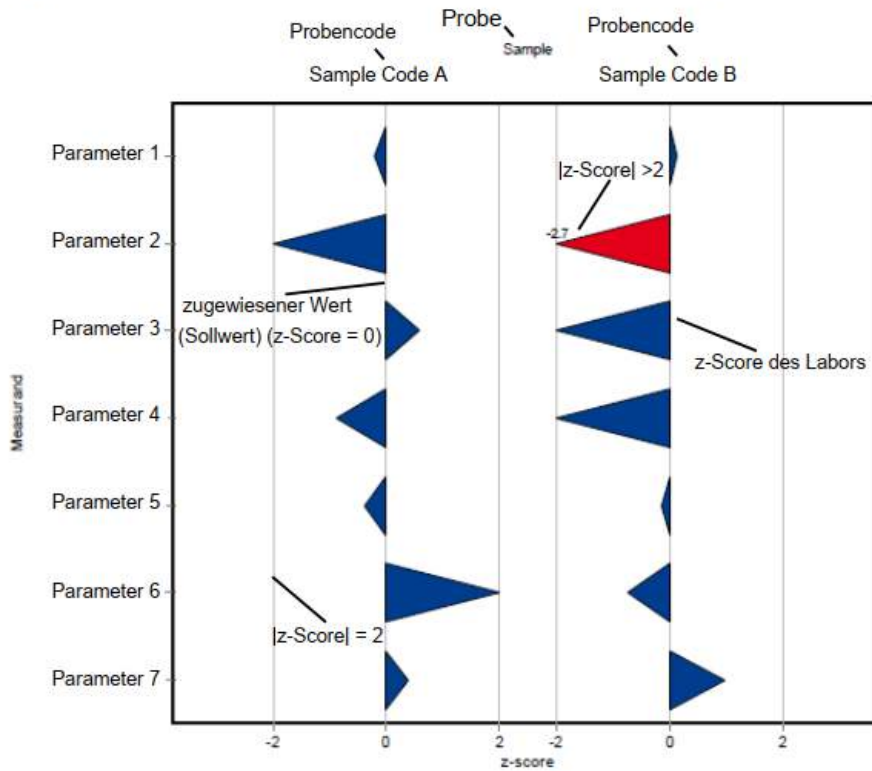
Unterschiedliche Analysenmethoden werden mit unterschiedlichen Farben kenntlich gemacht.

Beispieldiagramm: z-Score

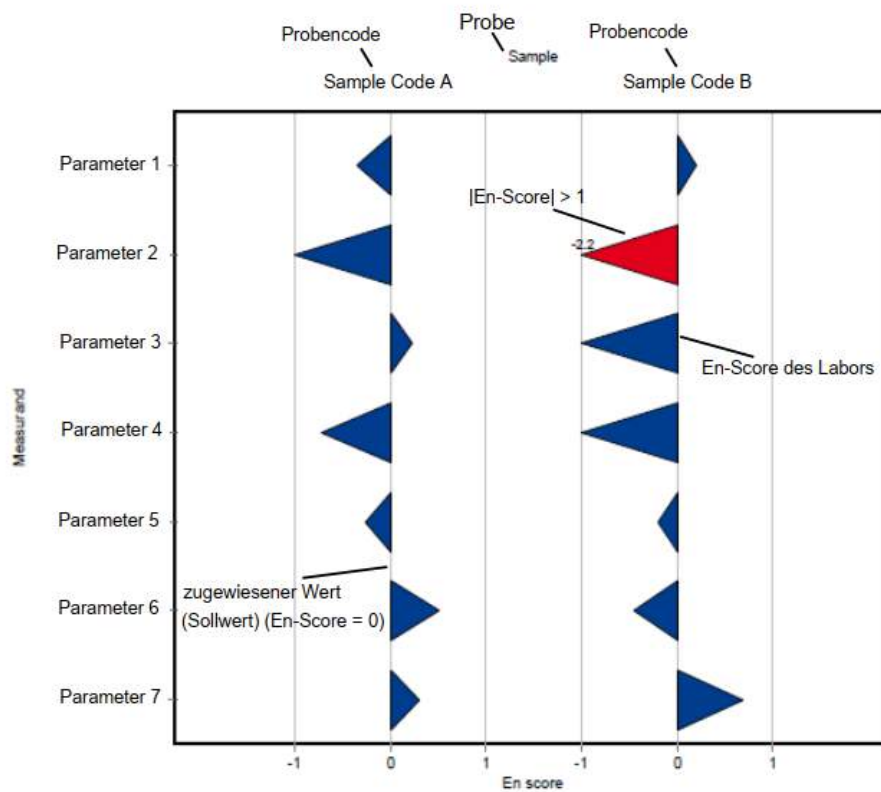


Unterschiedliche Analysenmethoden werden mit unterschiedlichen Farben kenntlich gemacht.

Beispieldiagramm: z-Score (labororientierte Auswertung)



Beispieldiagramm: En-Score (labororientierte Auswertung)



D6. Zusammenfassung

D6.1. Tabelle der zugewiesenen Werte

Parameter	Probe	Einheit	zugewiesener Wert ±	U (k=2)	Kriterium	Kriterium [%]
Antimon	AB13	mg/kg TM	92.9 ±	4.8	13.9	15
Arsen	AB13	mg/kg TM	5.58 ±	0.298	0.837	15
Barium	AB13	mg/kg TM	8850 ±	1720	3540	40
Benzo[a]pyren	AB13	mg/kg TM	0.105 ±	0.0215	0.0494	47
Cadmium	AB13	mg/kg TM	1.04 ±	0.0519	0.156	15
Chrom	AB13	mg/kg TM	522 ±	29.2	78.3	15
Cobalt	AB13	mg/kg TM	71.1 ±	5.14	12.8	18
Kupfer	AB13	mg/kg TM	2260 ±	43.6	226	10
Trockenmasse	AB13	%	99.4 ±	0.0533	0.497	0.5
KW-Index	AB13	mg/kg TM	1160 ±	157	407	35
Blei	AB13	mg/kg TM	165 ±	7.67	21.5	13
Quecksilber *	AB13	mg/kg TM	- ±	-	-	-
Molybdän	AB13	mg/kg TM	159 ±	5.99	15.9	10
Nickel	AB13	mg/kg TM	490 ±	15.7	49	10
Selen	AB13	mg/kg TM	1.25 ±	0.248	0.414	33
Silber	AB13	mg/kg TM	5.48 ±	0.345	0.877	16
Summe 16 PAK (nach EPA)	AB13	mg/kg TM	1.9 ±	0.278	0.683	36
Zinn	AB13	mg/kg TM	232 ±	12.3	34.8	15
TOC (als C)	AB13	mg/kg TM	38100 ±	846	3810	10
Vanadium	AB13	mg/kg TM	106 ±	5.84	16	15
Zink	AB13	mg/kg TM	3820 ±	88.8	382	10
TOC_(ON L1080) **	AB13	% TM	3.8 ±	0.0949	0.38	10
Glühverlust (550°C)	AB13	% TM	4.8 ±	0.0789	0.48	10

* Für nachfolgenden Parameter ist zur Information der berechnete Mittelwert MW +/- U(k=2) über die Daten der akkreditierten Labore (n) angeführt.

Dieser kann zum Vergleich im Rahmen Ihrer QS-Maßnahmen herangezogen werden.

Quecksilber: MW(n=11 akkr. CVAAS/AFS) +/- U(k=2): 0.0249 +/- 0.00863 mg/kg TM

** Zusatz: Zur informativen Bewertung des Parameters TOC_(ON L1080) wurde der Mittelwert MW +/- U(k=2) über die Daten der akkreditierten Labore (n) herangezogen, welche gemäß ÖNORM L1080 analysiert haben.

TOC_(ON L1080): MW(n=3 akkr. Lab) +/- U(k=2): 3.80 +/- 0.0949 % TM

Zusätzlicher Informationswert TOC_(ON L1080): MW(n=7 Labore; ÖNORM L1080) +/- U(k=2): 3.95 +/- 0.175 % TM

D6.2. Zusammenfassung der ausreißerbereinigten Ringversuchsergebnisse

Parameter	Probe	Anzahl Labors für Berechnung	Anzahl Ausreißer Labors	Einheit	Mittelwert	± VB (99%)	Minimum	Maximum	sR	vR [%]
Antimon	AB13	28	1	mg/kg TM	92.9	± 7.2	55.9	113	12.7	14
Arsen	AB13	24	5	mg/kg TM	5.67	± 0.445	4.31	7.25	0.726	13
Barium	AB13	23	0	mg/kg TM	8220	± 2610	1250	12700	4170	51
Benzo[a]pyren	AB13	21	0	mg/kg TM	0.105	± 0.0323	0.022	0.217	0.0493	47
Cadmium	AB13	25	7	mg/kg TM	1.04	± 0.0778	0.759	1.3	0.13	12
Chrom	AB13	31	2	mg/kg TM	523	± 41.6	425	714	77.2	15
Cobalt	AB13	28	1	mg/kg TM	71.4	± 7.52	41.9	101	13.3	19
Kupfer	AB13	29	3	mg/kg TM	2260	± 65.4	2030	2470	117	5.2
Trockenmasse	AB13	35	2	%	99.4	± 0.0799	99	99.8	0.158	0.16
KW-Index	AB13	26	0	mg/kg TM	1250	± 255	597	2080	434	35
Blei	AB13	33	0	mg/kg TM	165	± 11.5	118	210	22	13
Quecksilber	AB13	17	1	mg/kg TM	0.0312	± 0.0167	0.0046	0.089	0.0229	74
Molybdän	AB13	25	2	mg/kg TM	159	± 8.98	133	193	15	9.4
Nickel	AB13	31	2	mg/kg TM	490	± 23.5	396	566	43.6	8.9
Selen	AB13	13	2	mg/kg TM	1.33	± 0.351	0.82	2.37	0.422	32
Silber	AB13	25	0	mg/kg TM	5.48	± 0.517	3.78	7.43	0.862	16
Summe 16 PAK (nach EPA)	AB13	24	0	mg/kg TM	1.9	± 0.417	0.85	3.4	0.68	36
Zinn	AB13	26	1	mg/kg TM	232	± 18.4	145	285	31.3	14
TOC (als C)	AB13	23	6	mg/kg TM	38100	± 1270	34000	44000	2030	5.3
Vanadium	AB13	27	2	mg/kg TM	107	± 8.42	66.4	127	14.6	14
Zink	AB13	31	2	mg/kg TM	3820	± 122	3420	4340	227	5.9
TOC_(ON L1080)	AB13	7	3	% TM	3.95	± 0.263	3.71	4.38	0.232	5.9
Glühverlust (550°C)	AB13	37	2	% TM	4.8	± 0.118	4.37	5.43	0.24	5

E1. Description of the proficiency test

E1.1. Design and implementation

- Number of registrations: 41
- Number of submitted data records: 40
- Dispatch of samples: September 19th, 2023
- Closing date for submission of data: October 17th, 2023

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 waste sample was prepared at the Umweltbundesamt in September 2023 by combination of pre-dried fractions of slag and contaminated soil/ash/pyrolysis coke waste mixture (≤ 0.5 mm).

All sub-fractions were previously thoroughly mixed and homogenized and sieved at 0.5 mm. Fractionated shovelling was used to produce the test items for AB13 (0.3 kg).

The test items were dispatched on 19th of September 2023.

All participating laboratories received:

- 1 solid waste sample of 0.3 kg (AB13) - particle size ≤ 0.5 mm, air-dried - filled in a 500 ml HDPE vessel

E1.3. Instructions for the participants

For reasons of stability, it was recommended to start the analysis by the 27th of September 2023 at the latest.

All participants received the following information via sample dispatch and via sample shipping email dated 19th of September 2023:

‘The sample must be homogenized before sample intake. Please note that the total metal contents are to be determined according to the requirements of the Landfill Ordinance (aqua regia digestion). Please be sure to specify the standard for digestion or extraction procedure (incl. extraction agent, extraction method) as well as the standard for the analysis method in Ringdat Online in column ‘Standard/Method’.

The result for the TOC determination according to Landfill Ordinance has to be entered in the lines for parameter 'TOC' in unit mg/kg dm. NEW 2023: For the additional parameter 'TOC_(ON L1080)' only the standard ÖNORM L1080:2021-12-15 has to be applied (result in %, related to dry mass).

We kindly ask you to provide the following information on receipt of the samples in the online form for input of results (see link): sample receipt date, condition of the samples.

The following parameters are evaluated in the round robin test in mg/kg dm in sample AB13: Sb, As, Ba, Pb, Cd, Cr, Co, Cu, Mo, Ni, Hg, Se, Ag, V, Zn, Sn, TOC, hydrocarbon index, PAH (sum of 16 EPA), benzo(a)pyrene. Exceptions: Dry matter is evaluated in unit %; TOC_(ON L1080) is evaluated in % dm; loss on ignition (550°C) is evaluated in % dm.'

In addition, the participants were free to choose 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. N=5 control test samples were transferred to the laboratories for control testing.

The total contents (metals, dry mass) were analysed in the testing laboratory at the Environment Agency Austria (Prüfstelle für Umwelt-, GVO- & Treibstoffanalytik) close to the time of sample dispatch. The determination of TOC, HC-index, sum of 16 PAH (EPA) and Benzo(a)pyrene, LOI (550°C) and TOC_(ON L1080) was subcontracted to an external laboratory (accredited to EN ISO/IEC 17025 for the mentioned parameters excluding TOC_(ON L1080)) (concealed allocation, anonymized samples) and was carried out contemporarily when the samples were dispatched. 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 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 17th of October 2023. Any values received at a later date were not considered.

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

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

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

Further data evaluation was performed in accordance with ISO 5725-2. A statistical evaluation of proficiency testing data was only carried out if at least 6 valid results per parameter were available (exemption: additional parameter TOC_ON L1080; marked with **). 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.

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

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

E2. Criteria of performance evaluation

E2.1. Performance criterion z-Score

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

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

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

In this context,

x_i	is the measurement value (result) of the participating laboratory;
\bar{X}	assigned value the target value for the assessment of the performance of the participants (3 significant digits), normally the average value of the participants' results after removal of outliers; if this approach is not applicable, the target value is assigned according to the procedure given in section E4
Criteria	is the reproducibility standard deviation calculated from the participants' results after removal of outliers (sR) in the current round. Where justified (e.g. results for real water samples are close to minimum quantification limit or in case of regulatory requirements) the criteria is defined by expert judgement and the procedure is clearly described in section E4 of the report.

E2.2. Performance criterion E_n-Score

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

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

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

In this context,

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

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

Interpretation of z-Scores:

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

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

Interpretation of E_n-Scores:

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

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

E3. Representation and interpretation of measurement results

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

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

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

An annotation of the tables and graphics is given in section 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 silver, lead, sum 16 PAH (EPA), benzo(a)pyrene in sample AB13: Scores for all listed parameters were calculated according to E2.

For silver, lead, chromium, HC-index, sum 16 PAH (EPA), benzo(a)pyrene the reproducibility standard deviation (vR), rounded to 2 significant digits, was used for data evaluation.

For parameters copper, molybdenum, nickel, antimony, tin, vanadium, TOC (as C), dry mass and loss of ignition (550°C) the criteria based on expert finding or based on reproducibility standard deviation by accredited group of laboratories as listed below were used for further evaluation.

Parameters arsenic, barium, cobalt, chromium, selenium, vanadium, zinc, HC-index for sample AB13: The assigned values calculated based on the participant 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.

Parameters copper, molybdenum, nickel, zinc, TOC (as C), LOI (550°C), TOC_(ON L1080) for sample AB13: The relative reproducibility standard deviation in the current proficiency testing was less than 10 % (copper 5.2 %; molybdenum 9.4 %; nickel 8.9 %; zinc 5.9 %; TOC (as C) 5.3 %; LOI (550°C) 5 %; TOC (ON L1080) 5.9 %). For these parameters, a reproducibility standard deviation (vR) of 10 % was chosen for assessment (expert decision, vR rounded up to 10 %).

Parameters arsenic, barium, cadmium, cobalt, antimony, selenium, tin, vanadium, dry mass for sample AB13:

For these parameters the following relative reproducibility standard deviation (vR) were chosen for assessment: 0.5 % for dry mass (expert finding – instead of 0.2 % rounded up to 0.5 %); 15 % for the parameters arsenic, cadmium, antimony, tin and vanadium (expert finding, vR rounded up to 15 %); 18 % for cobalt (based on vR of accredited laboratories), 33 % for selenium (based on vR of accredited laboratories without Hampel outliers) and 40 % for barium (based on vR of accredited laboratories without Hampel outliers).

Parameter mercury for sample AB13: The assigned values calculated based on the participant results were outside of the measurement uncertainty of the control test value and thus traceability could not be proven by this procedure. As the relative reproducibility standard deviation of the accredited participants in the current proficiency testing round was higher than 50 %, no assigned value could be defined. For informative comparison in course of the quality measures of the laboratories a mean value based on accredited participants using measurement method CV-AAS or AFS (without Hampel outliers) was calculated (marked by *).

Additional parameter TOC_(ON L1080): For the informative statistical data evaluation of the additional parameter TOC_(ON L1080) all available accredited testing results working according to ÖNORM L1080 were chosen (n=3 laboratories) and a mean value was calculated (marked by **). Furthermore an informative mean value based on all available results according to ÖNORM L1080 was derived after elimination of Hampel-outliers (n=7 results). For informative data evaluation of TOC_(ON L1080) a reproducibility standard deviation of 10 % was defined as criterion.

E5. Annotations on tables and charts

E5.1. Information and abbreviations in tables

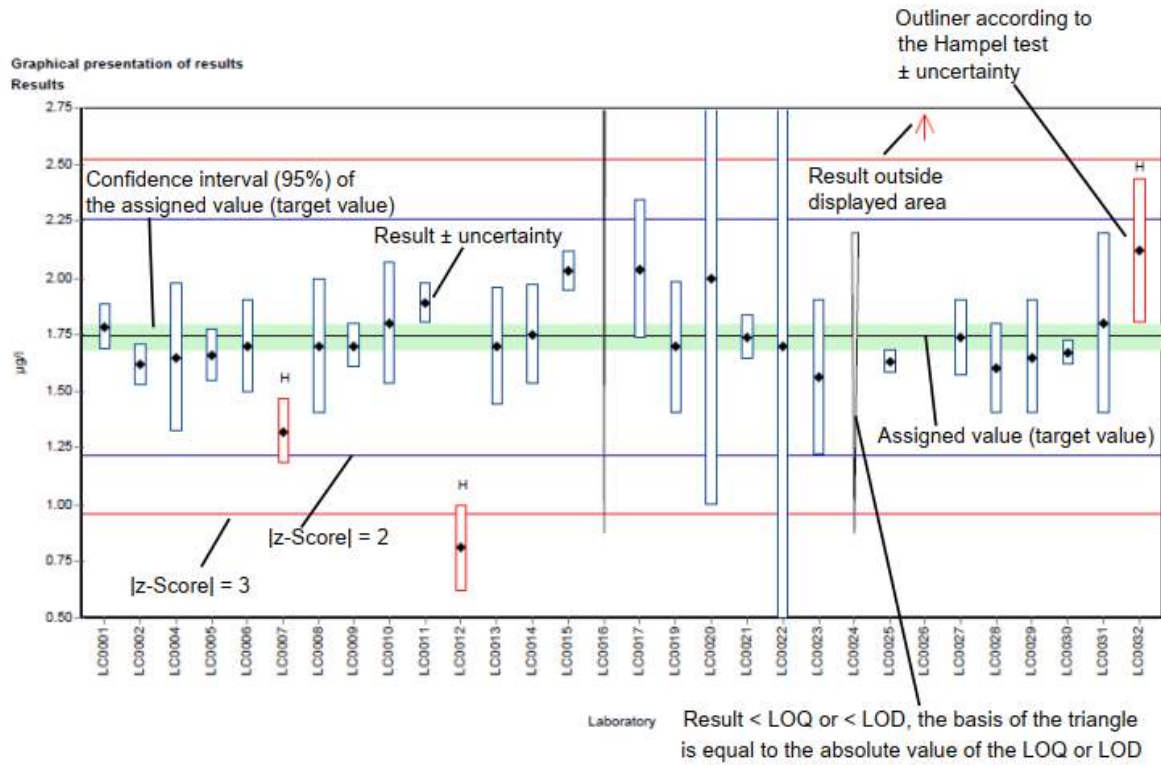
Parameter	Analyte identifier
Sample	Sample identifier
Unit	Given unit for result and uncertainty (e.g. mg/kg dm)
Assigned value	Target value for proficiency assessment of the participants (3 significant digits)
U (k=2)	Expanded uncertainty (k=2) of the assigned value (3 significant digits)
Criteria	Specified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

	measurement uncertainty of the participant's results and expanded measurement uncertainty for the assigned value (3 significant digits, max. 2 decimal places given). Note: E _n -Score assessment takes into account the measurement uncertainty of the participants.
-	No data available or no calculation possible
Comments	Comment on the respective result (e.g. H, FN, FP)
H	Outlier according to Hampel-Test
FN	False negative – for a result < LOQ or result < LOD: The absolute value of the LOQ or LOD fulfils the condition of an outlier according to the Hampel test.
FP	False positive – for parameters where no target value is available because of a too low analyte content (n < 6): Result that exceeds the median of the absolute values of the transmitted LOQs or LODs by more than 100 %.
Standard deviation	Reproducibility standard deviation, calculated from the participants results (3 significant digits)
Rel. standard deviation	Reproducibility standard deviation, calculated from the participants results relative to the target value, given in %, (3 significant digits)
n	Number of results
*	mark for additional comments (e.g. for mercury in this report)
**	mark for additional comments (e.g. for additional informative data evaluation in case of TOC_(ON L1080))

E5.2. Graphical presentation of results

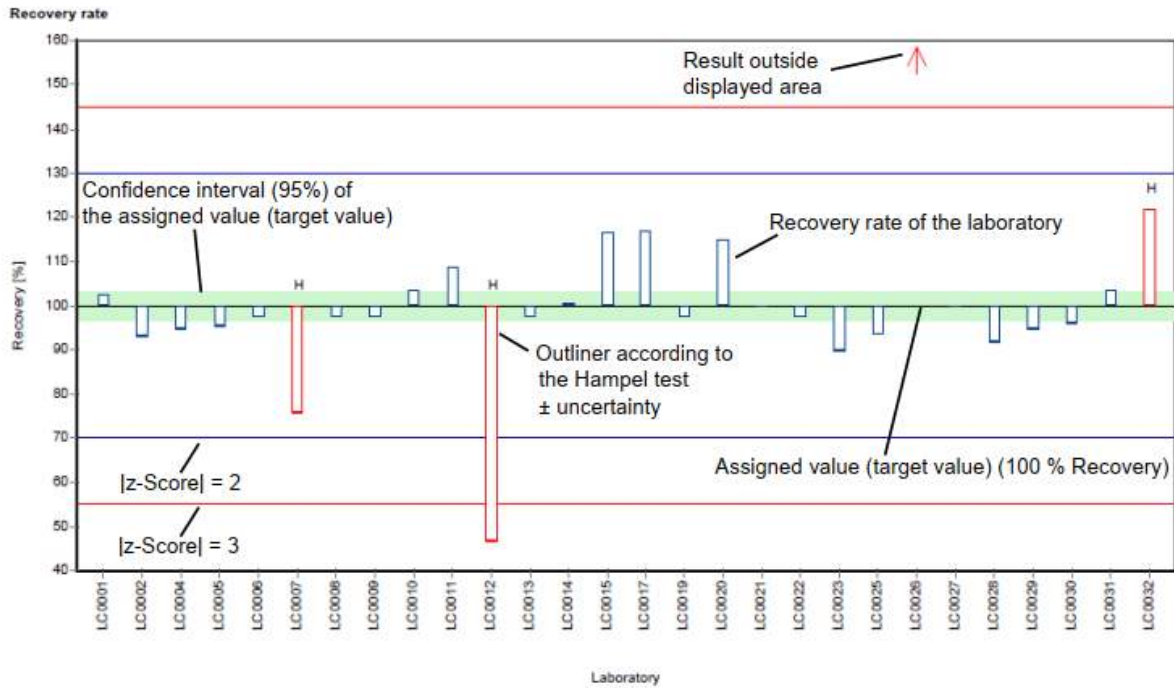
The graphic representation in the report is explained below by means of commented example diagrams:

Example chart: Results



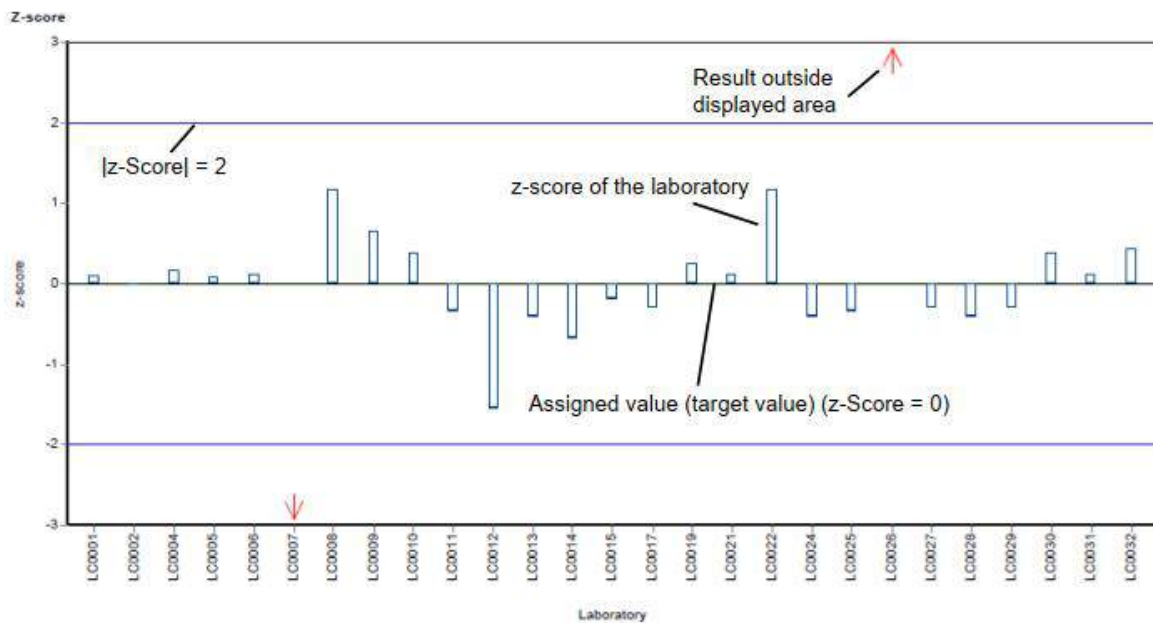
Different analysis methods are represented with different colors.

Example chart: Recovery



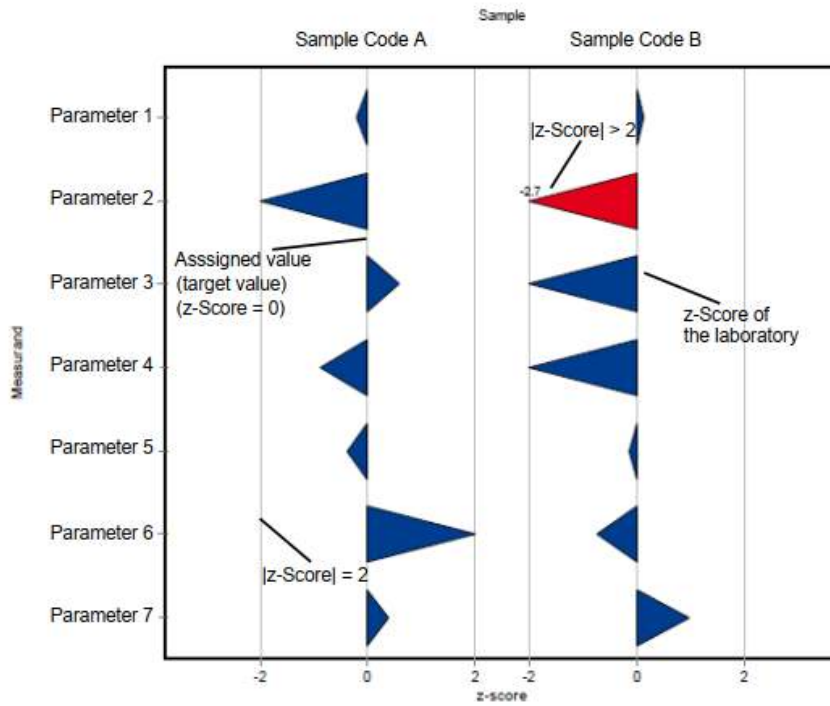
Different analysis methods are represented with different colors.

Example chart: z-Score

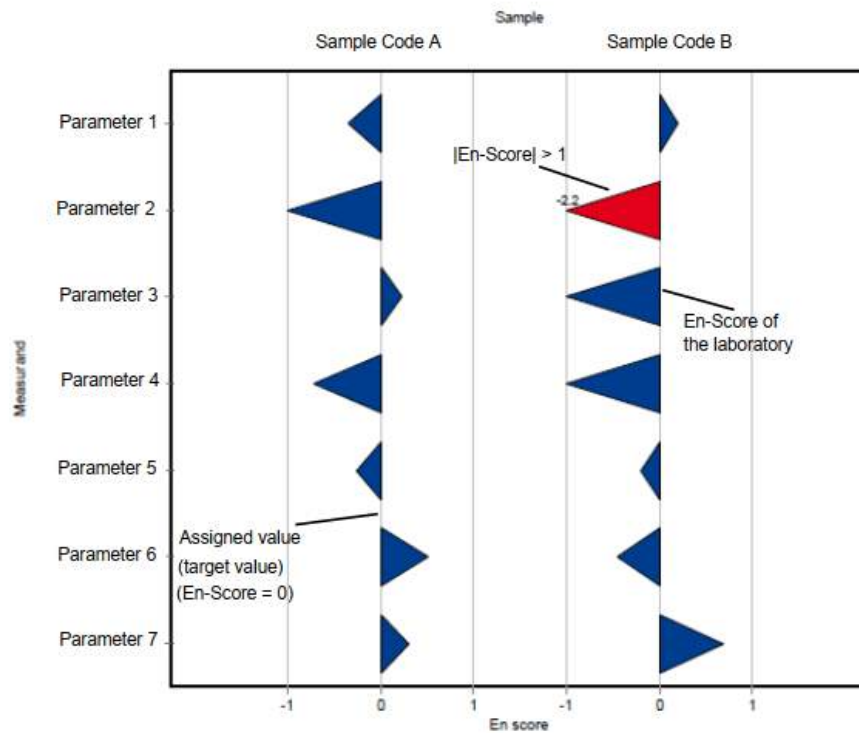


Different analysis methods are represented with different colors.

Example chart: z-Score (laboratory oriented report)



Example chart: En-Score (laboratory oriented report)



E6. Summary

E6.1. Table of assigned values

Parameter	Sample	Unit	Assigned value ±	U (k=2)	Criterion	Criterion [%]
Antimony	AB13	mg/kg DM	92.9 ±	4.8	13.9	15
Arsenic	AB13	mg/kg DM	5.58 ±	0.298	0.837	15
Barium	AB13	mg/kg DM	8850 ±	1720	3540	40
Benzo[a]pyrene	AB13	mg/kg DM	0.105 ±	0.0215	0.0494	47
Cadmium	AB13	mg/kg DM	1.04 ±	0.0519	0.156	15
Chromium	AB13	mg/kg DM	522 ±	29.2	78.3	15
Cobalt	AB13	mg/kg DM	71.1 ±	5.14	12.8	18
Copper	AB13	mg/kg DM	2260 ±	43.6	226	10
Dry mass	AB13	%	99.4 ±	0.0533	0.497	0.5
HC-Index	AB13	mg/kg DM	1160 ±	157	407	35
Lead	AB13	mg/kg DM	165 ±	7.67	21.5	13
Mercury *	AB13	mg/kg DM	- ±	-	-	-
Molybdenum	AB13	mg/kg DM	159 ±	5.99	15.9	10
Nickel	AB13	mg/kg DM	490 ±	15.7	49	10
Selenium	AB13	mg/kg DM	1.25 ±	0.248	0.414	33
Silver	AB13	mg/kg DM	5.48 ±	0.345	0.877	16
Sum 16 PAH (acc. to EPA)	AB13	mg/kg DM	1.9 ±	0.278	0.683	36
Tin	AB13	mg/kg DM	232 ±	12.3	34.8	15
TOC (as C)	AB13	mg/kg DM	38100 ±	846	3810	10
Vanadium	AB13	mg/kg DM	106 ±	5.84	16	15
Zinc	AB13	mg/kg DM	3820 ±	88.8	382	10
TOC_(ON L1080) **	AB13	% dm	3.8 ±	0.0949	0.38	10
LOI (550°C)	AB13	% dm	4.8 ±	0.0789	0.48	10

* For the following parameter, the calculated mean value MV +/- U(k=2) based on the data of the accredited laboratories (n) is listed for information.

This can be used for comparison as part of your internal QA measures:

Mercury: MV(n=11 accr. CVAAS/AFS) +/- U(k=2): 0.0249 +/- 0.00863 mg/kg dm

** Supplement: For the informative data evaluation of parameter TOC_(ON L1080) the calculated mean value MV +/- U(k=2) based on n=3 accredited laboratories working according to ÖNORM L1080 is used.

TOC_(ON L1080): MV(n=3 accr. lab) +/- U(k=2): 3.80 +/- 0.0949 % dm

additional informative mean value for TOC_(ON L1080): MV(n=7 labs; ÖNORM L1080): 3.95 +/- 0.175 % dm

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

Parameter	Sample	Number of results for calculation	Number of outliers	Unit	Mean	± CI (99%)	Minimum	Maximum	sR	vR [%]
Antimony	AB13	28	1	mg/kg DM	92.9	± 7.2	55.9	113	12.7	14
Arsenic	AB13	24	5	mg/kg DM	5.67	± 0.445	4.31	7.25	0.726	13
Barium	AB13	23	0	mg/kg DM	8220	± 2610	1250	12700	4170	51
Benzo[a]pyrene	AB13	21	0	mg/kg DM	0.105	± 0.0323	0.022	0.217	0.0493	47
Cadmium	AB13	25	7	mg/kg DM	1.04	± 0.0778	0.759	1.3	0.13	12
Chromium	AB13	31	2	mg/kg DM	523	± 41.6	425	714	77.2	15
Cobalt	AB13	28	1	mg/kg DM	71.4	± 7.52	41.9	101	13.3	19
Copper	AB13	29	3	mg/kg DM	2260	± 65.4	2030	2470	117	5.2
Dry mass	AB13	35	2	%	99.4	± 0.0799	99	99.8	0.158	0.16
HC-Index	AB13	26	0	mg/kg DM	1250	± 255	597	2080	434	35
Lead	AB13	33	0	mg/kg DM	165	± 11.5	118	210	22	13
Mercury	AB13	17	1	mg/kg DM	0.0312	± 0.0167	0.0046	0.089	0.0229	74
Molybdenum	AB13	25	2	mg/kg DM	159	± 8.98	133	193	15	9.4
Nickel	AB13	31	2	mg/kg DM	490	± 23.5	396	566	43.6	8.9
Selenium	AB13	13	2	mg/kg DM	1.33	± 0.351	0.82	2.37	0.422	32
Silver	AB13	25	0	mg/kg DM	5.48	± 0.517	3.78	7.43	0.862	16
Sum 16 PAH (acc. to EPA)	AB13	24	0	mg/kg DM	1.9	± 0.417	0.85	3.4	0.68	36
Tin	AB13	26	1	mg/kg DM	232	± 18.4	145	285	31.3	14
TOC (as C)	AB13	23	6	mg/kg DM	38100	± 1270	34000	44000	2030	5.3
Vanadium	AB13	27	2	mg/kg DM	107	± 8.42	66.4	127	14.6	14
Zinc	AB13	31	2	mg/kg DM	3820	± 122	3420	4340	227	5.9
TOC_(ON L1080)	AB13	7	3	% dm	3.95	± 0.263	3.71	4.38	0.232	5.9
LOI (550°C)	AB13	37	2	% dm	4.8	± 0.118	4.37	5.43	0.24	5

E7. Parameterorientierte Auswertung / Parameter oriented report

Antimony	35
Arsenic	40
Barium.....	45
Benzo[a]pyrene	50
Cadmium.....	55
Chromium.....	60
Cobalt.....	65
Copper	70
Dry mass.....	75
HC-Index.....	80
Lead.....	85
Mercury	90
Molybdenum.....	93
Nickel	98
Selenium	103
Silver	108
Sum 16 PAH (acc. to EPA).....	113
Tin.....	118
TOC (as C).....	123
Vanadium	128
Zinc	133
TOC_(ON L1080).....	138
LOI (550°C).....	143

Parameter oriented report Waste acc. to landfill
directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Antimony

Parameter oriented report

AB13

Antimony

Unit	mg/kg DM
Assigned value ± U (k=2)	92.9 ± 4.8
Criterion	13.9 (15 %)
Minimum - Maximum	55.9 - 113
Control test value ± U (k=2)	93.7 ± 19.7

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	107	4.3	115	1.02	
LC0002	113	34	122	1.45	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	109	22	117	1.16	
LC0007	-	-	-	-	
LC0008	103.8	20.7	112	0.79	
LC0009	104	6.99	112	0.8	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	94.86	2	102	0.14	
LC0013	97	20	104	0.3	
LC0014	88.88	9.682	95.7	-0.29	
LC0015	89.4	13.9	96.3	-0.25	
LC0016	-	-	-	-	
LC0017	92.3	6.6	99.4	-0.04	
LC0018	-	-	-	-	
LC0019	86	6.88	92.6	-0.49	
LC0020	-	-	-	-	
LC0021	102.73	31.94	111	0.71	
LC0022	102	10.2	110	0.66	
LC0023	97.09	29.1	105	0.3	
LC0024	6.39	1.278	6.9	-6.21	H
LC0025	99.5	17.9	107	0.48	
LC0026	103.2	29.1	111	0.74	
LC0027	72	14.4	77.5	-1.5	
LC0028	77	5.39	82.9	-1.14	
LC0029	-	-	-	-	
LC0030	86.8	17.4	93.5	-0.43	
LC0031	97.7	17.6	105	0.35	
LC0032	-	-	-	-	
LC0033	89.4	26.8	96.3	-0.25	
LC0034	55.9	0.247	60.2	-2.65	
LC0035	79.5	2.5	85.6	-0.96	
LC0036	80.79	8.079	87	-0.87	
LC0037	99.5	19.9	107	0.48	
LC0038	104.4	7.52	112	0.83	
LC0039	-	-	-	-	
LC0040	82.4	9.4	88.7	-0.75	

Parameter oriented report Waste acc. to landfill
directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Antimony

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0041	84.8	25.44	91.3	-0.58	

Characteristics of parameter

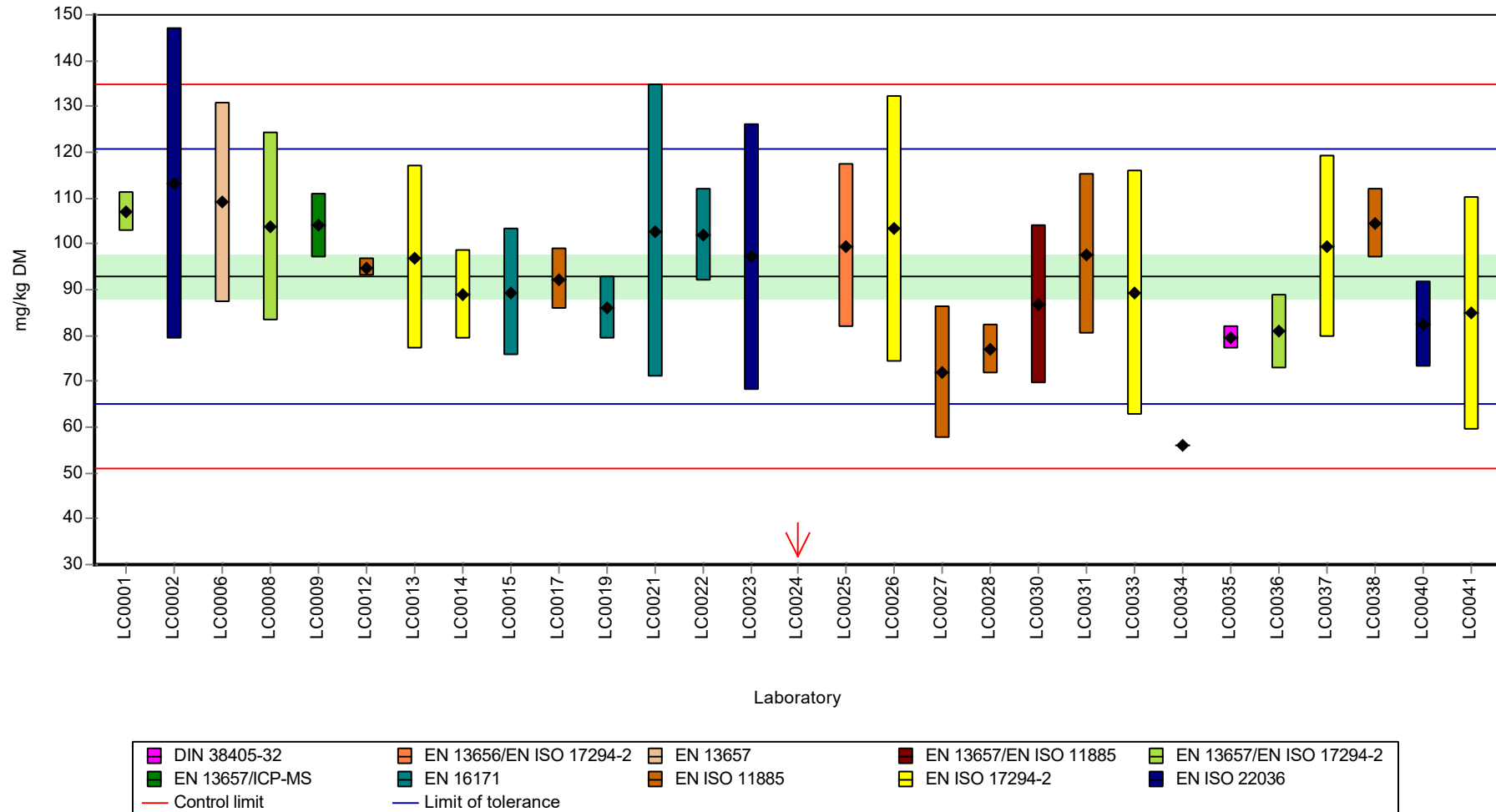
	all results	w ithout outliers	Unit
Mean ± CI (99%)	89.9 ± 11.3	92.9 ± 7.2	mg/kg DM
Minimum	6.39	55.9	mg/kg DM
Maximum	113	113	mg/kg DM
Standard deviation	20.3	12.7	mg/kg DM
rel. standard deviation	22.6	13.7	%
n	29	28	-

Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Antimony

Graphical presentation of results

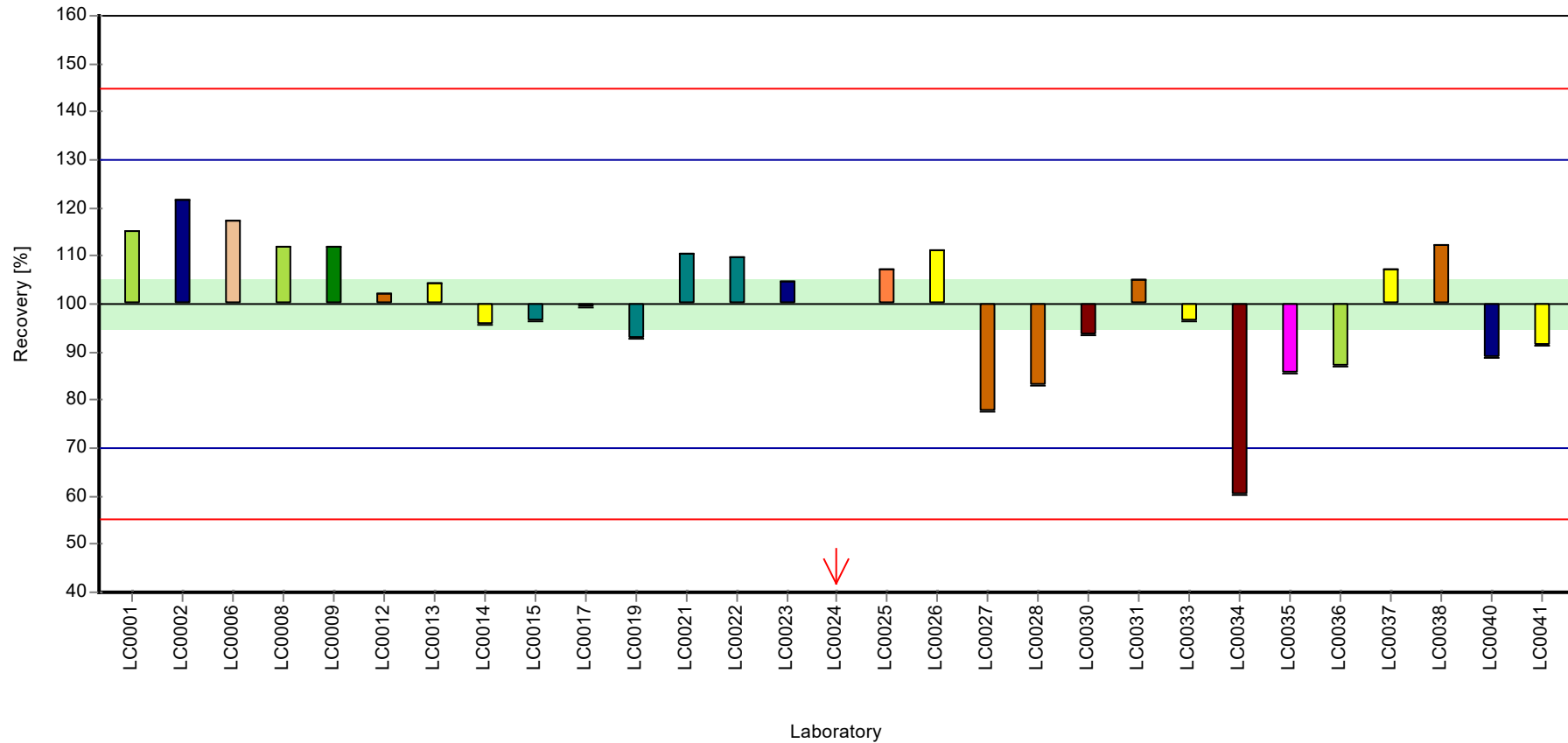
Results



Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Antimony

Recovery rate

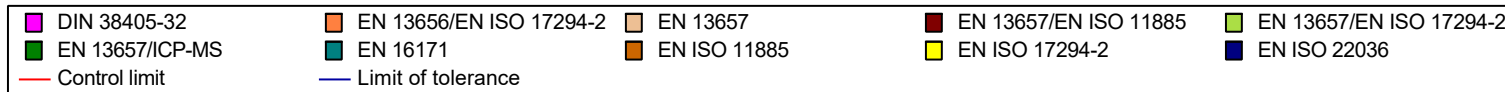
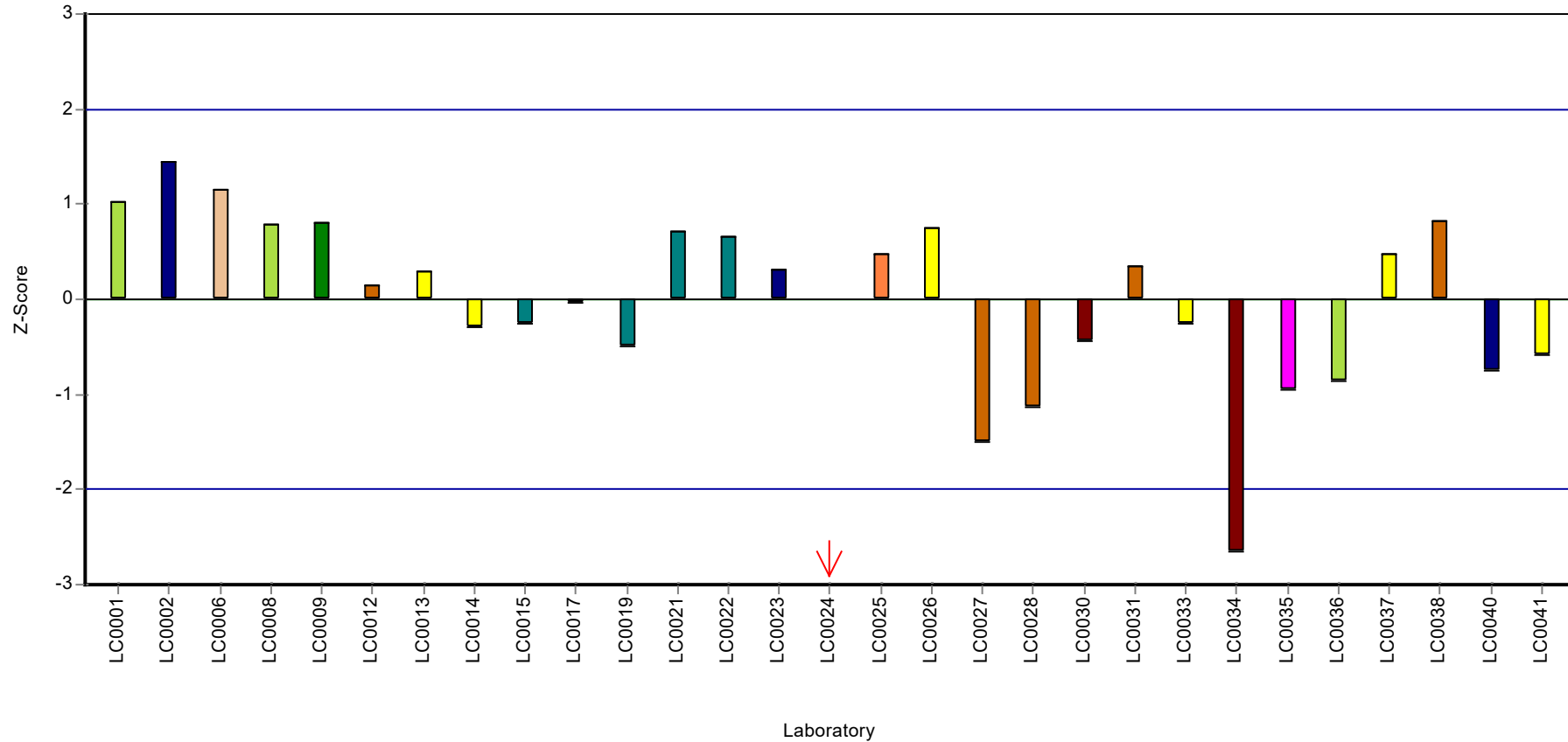


DIN 38405-32	EN 13656/EN ISO 17294-2	EN 13657	EN 13657/EN ISO 11885	EN 13657/EN ISO 17294-2
EN 13657/ICP-MS	EN 16171	EN ISO 11885	EN ISO 17294-2	EN ISO 22036
Control limit	Limit of tolerance			

Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Antimony

Z-score



Parameter oriented report Waste acc. to landfill
directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Arsenic

Parameter oriented report

AB13

Arsenic

Unit	mg/kg DM
Assigned value ± U (k=2)	5.58 ± 0.298
Criterion	0.837 (15 %)
Minimum - Maximum	4.31 - 7.25
Control test value ± U (k=2)	4.32 ± 0.863

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	5.78	0.15	104	0.24	
LC0002	5.34	1.1	95.6	-0.29	
LC0003	-	-	-	-	
LC0004	1.16	0.2	20.8	-5.28	H
LC0005	-	-	-	-	
LC0006	6	1.6	107	0.5	
LC0007	-	-	-	-	
LC0008	5.94	1.19	106	0.43	
LC0009	6.05	1.25	108	0.56	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	3.24	0.05	58	-2.8	H
LC0013	6.12	1.2	110	0.64	
LC0014	5.536	0.477	99.2	-0.06	
LC0015	5.7	0.97	102	0.14	
LC0016	4.66	0.33	83.5	-1.1	
LC0017	< 1.5 (LOQ)	-	-	-	FN
LC0018	-	-	-	-	
LC0019	5.76	0.461	103	0.21	
LC0020	-	-	-	-	
LC0021	5.84	0.584	105	0.31	
LC0022	5.3	0.53	94.9	-0.34	
LC0023	5.83	1.75	104	0.29	
LC0024	0.871	0.14807	15.6	-5.63	H
LC0025	6.98	1.26	125	1.67	
LC0026	5.12	1.48	91.7	-0.55	
LC0027	< 1 (LOQ)	-	-	-	FN
LC0028	< 2 (LOQ)	-	-	-	FN
LC0029	-	-	-	-	
LC0030	8.51	1.7	152	3.5	H
LC0031	6.73	1.12	121	1.37	
LC0032	-	-	-	-	
LC0033	6.04	1.81	108	0.55	
LC0034	4.31	0.169	77.2	-1.52	
LC0035	2.23	0.5	39.9	-4	H
LC0036	4.603	0.69	82.4	-1.17	
LC0037	5.67	1.13	102	0.1	
LC0038	7.254	0.66	130	2	
LC0039	5.63	1.126	101	0.06	
LC0040	5.4	0.6	96.7	-0.22	

Parameter oriented report Waste acc. to landfill
directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Arsenic

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0041	4.49	0.898	80.4	-1.31	

Characteristics of parameter

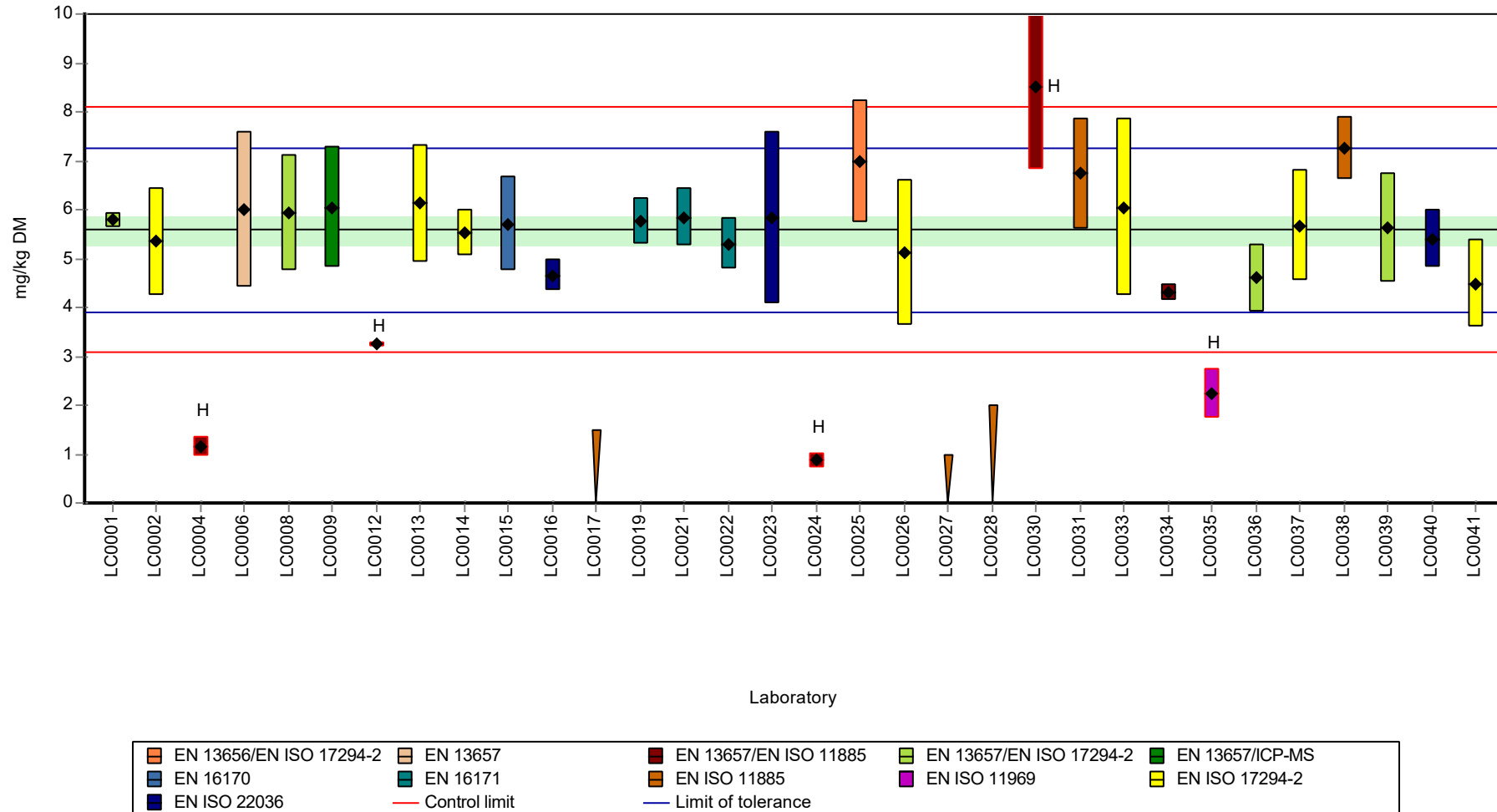
	all results	w without outliers	Unit
Mean ± CI (99%)	5.24 ± 0.918	5.67 ± 0.445	mg/kg DM
Minimum	0.871	4.31	mg/kg DM
Maximum	8.51	7.25	mg/kg DM
Standard deviation	1.65	0.726	mg/kg DM
rel. standard deviation	31.4	12.8	%
n	29	24	-

Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Arsenic

Graphical presentation of results

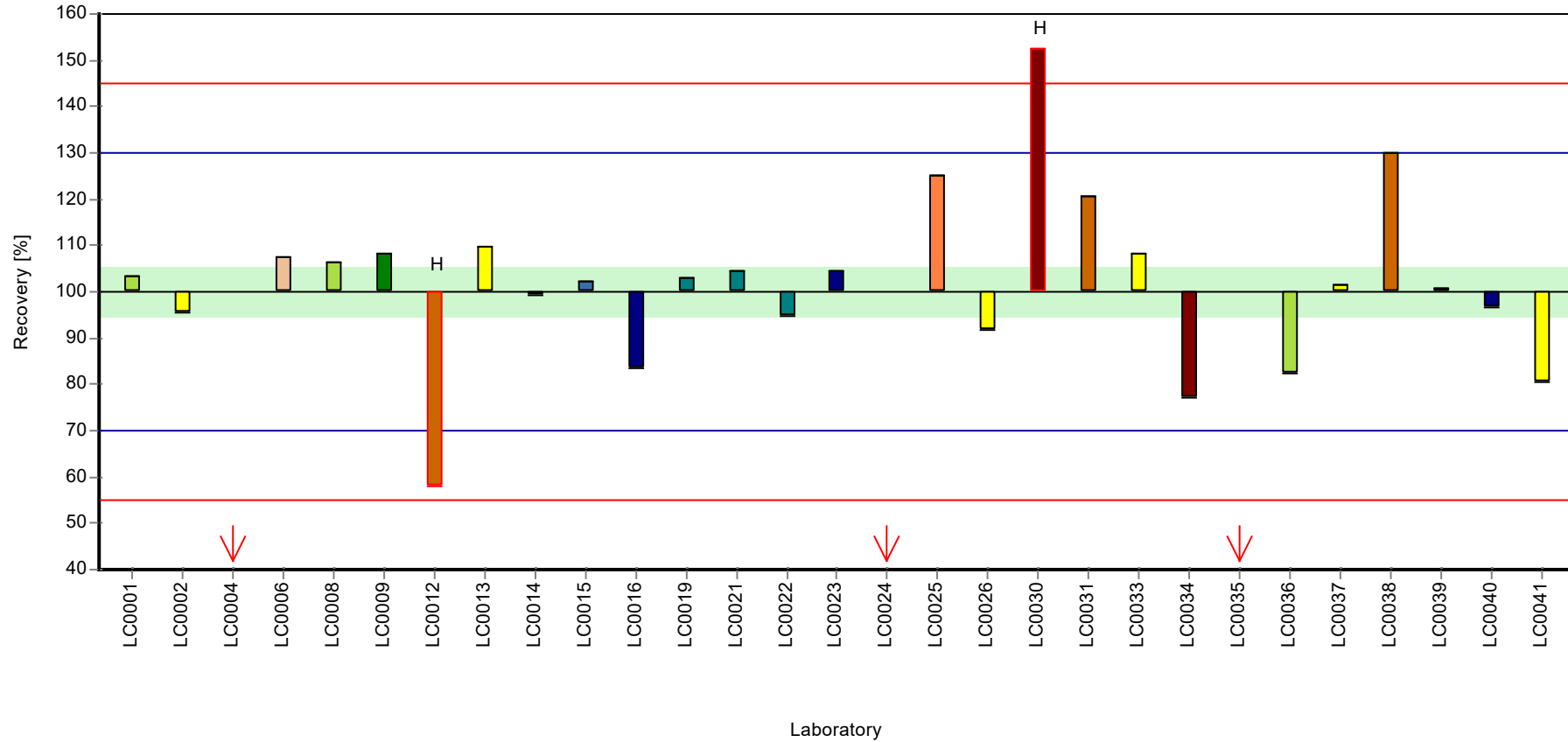
Results



Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Arsenic

Recovery rate

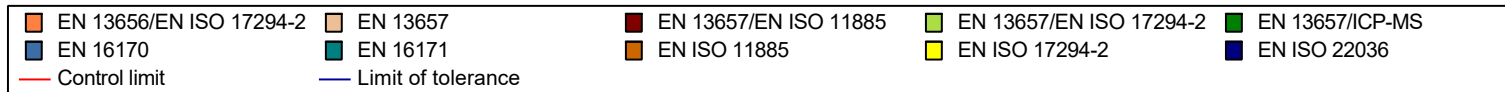
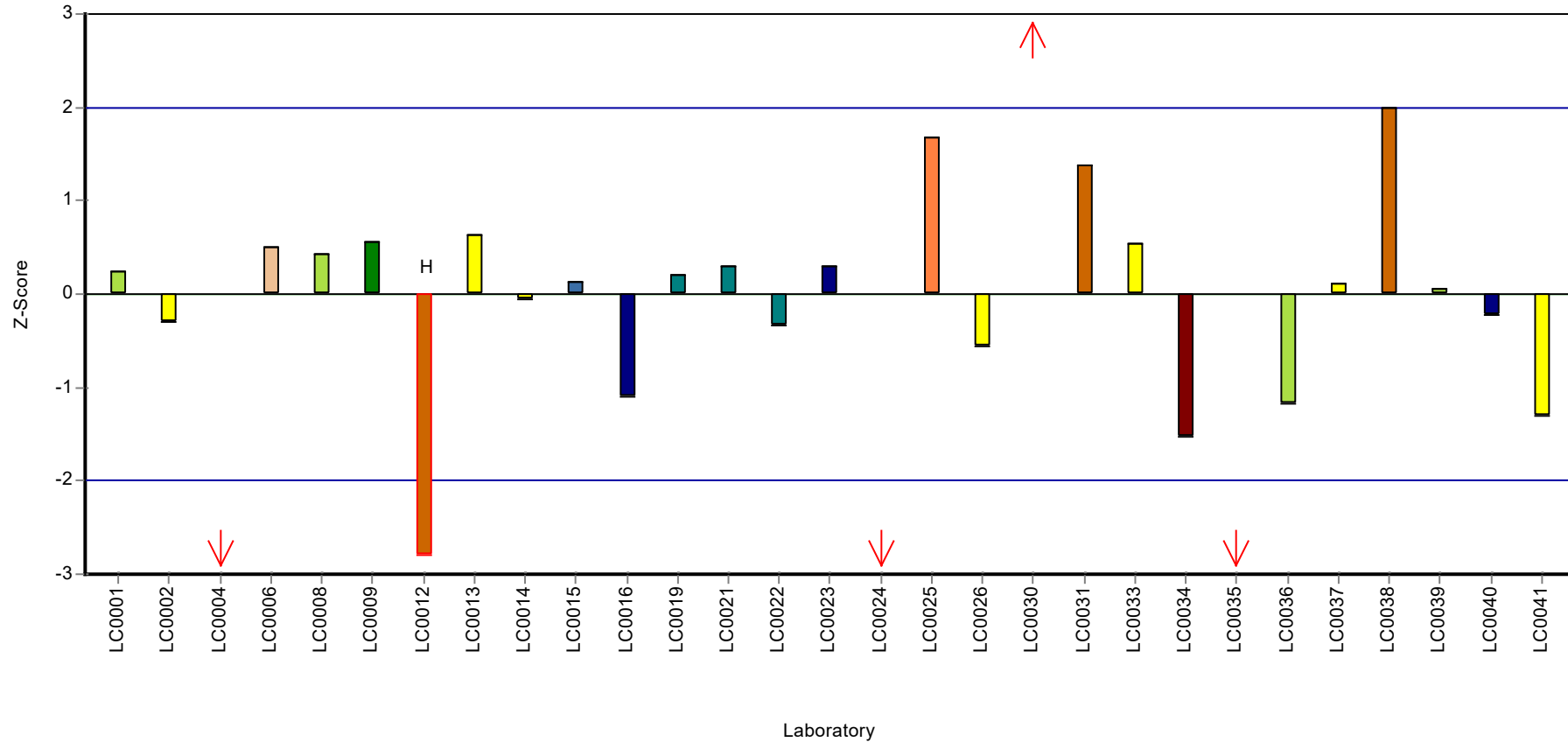


EN 13656/EN ISO 17294-2	EN 13657	EN 13657/EN ISO 11885	EN 13657/EN ISO 17294-2	EN 13657/ICP-MS
EN 16170	EN 16171	EN ISO 11885	EN ISO 17294-2	EN ISO 22036
Control limit	Limit of tolerance			

Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Arsenic

Z-score



Parameter oriented report Waste acc. to landfill
directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Barium

Parameter oriented report

AB13

Barium

Unit	mg/kg DM
Assigned value \pm U (k=2)	8850 \pm 1720
Criterion	3540 (40 %)
Minimum - Maximum	1250 - 12700
Control test value \pm U (k=2)	6390.0 \pm 1410

Labcode	Result	\pm U	Recovery [%]	z-score	Comments
LC0001	7508	210	84.8	-0.38	
LC0002	2287	572	25.8	-1.85	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	12713	1271	144	1.09	
LC0007	-	-	-	-	
LC0008	2362	473	26.7	-1.83	
LC0009	12622	344	143	1.06	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	8774	10	99.1	-0.02	
LC0013	9560	1430	108	0.2	
LC0014	11850.22	422.792	134	0.85	
LC0015	12040	1806	136	0.9	
LC0016	-	-	-	-	
LC0017	1250	96	14.1	-2.15	
LC0018	-	-	-	-	
LC0019	11934	955	135	0.87	
LC0020	-	-	-	-	
LC0021	11368.05	1136.8	128	0.71	
LC0022	9100	910	103	0.07	
LC0023	12500	3750	141	1.03	
LC0024	1658.7	232.218	18.7	-2.03	
LC0025	12574	2263	142	1.05	
LC0026	-	-	-	-	
LC0027	-	-	-	-	
LC0028	1300	45.5	14.7	-2.13	
LC0029	-	-	-	-	
LC0030	7370	1470	83.2	-0.42	
LC0031	12748	1108	144	1.1	
LC0032	-	-	-	-	
LC0033	-	-	-	-	
LC0034	-	-	-	-	
LC0035	-	-	-	-	
LC0036	4743	474	53.6	-1.16	
LC0037	6650	1330	75.1	-0.62	
LC0038	9960	455.8	112	0.31	
LC0039	-	-	-	-	
LC0040	6300	315	71.1	-0.72	

Parameter oriented report Waste acc. to landfill
directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Barium

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0041	-	-	-	-	

Characteristics of parameter

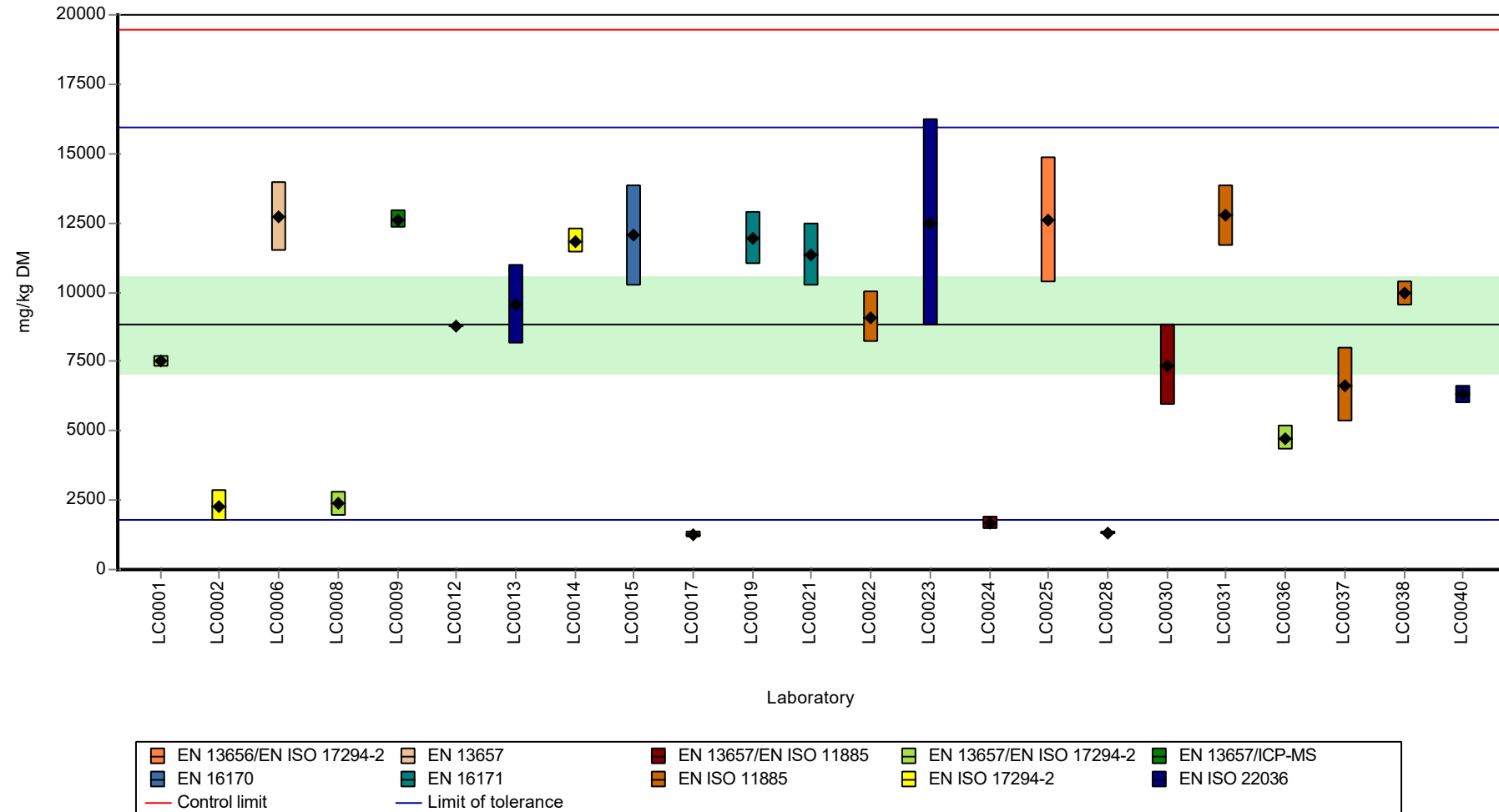
	all results	w without outliers	Unit
Mean ± CI (99%)	8220 ± 2610	8220 ± 2610	mg/kg DM
Minimum	1250	1250	mg/kg DM
Maximum	12700	12700	mg/kg DM
Standard deviation	4170	4170	mg/kg DM
rel. standard deviation	50.7	50.7	%
n	23	23	-

Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Barium

Graphical presentation of results

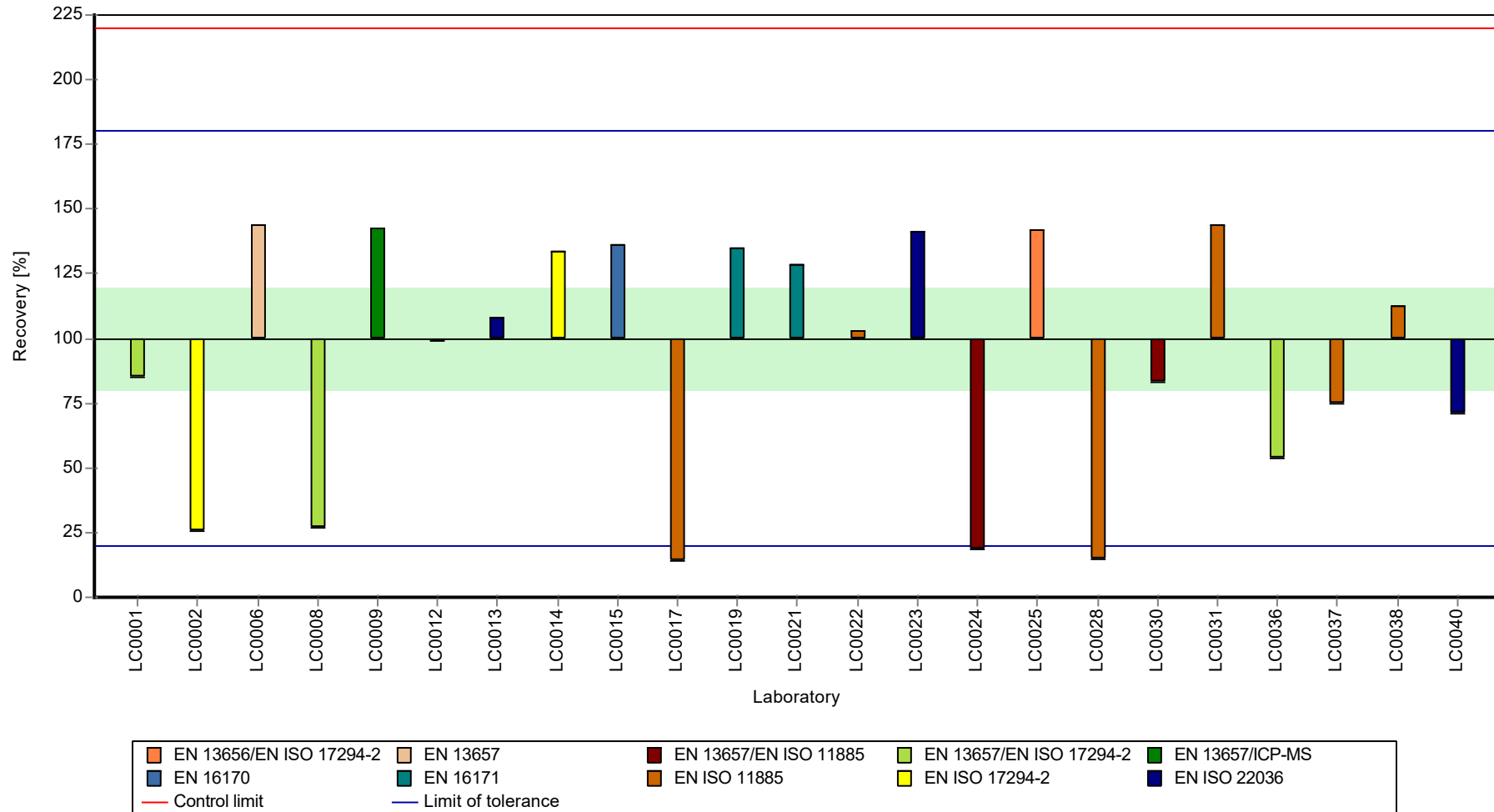
Results



Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Barium

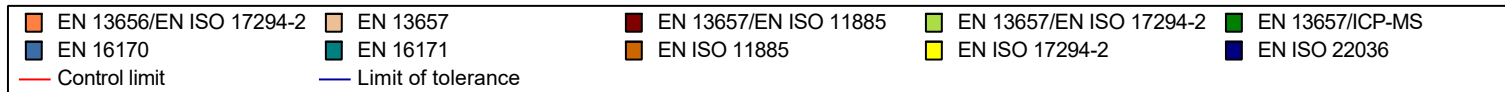
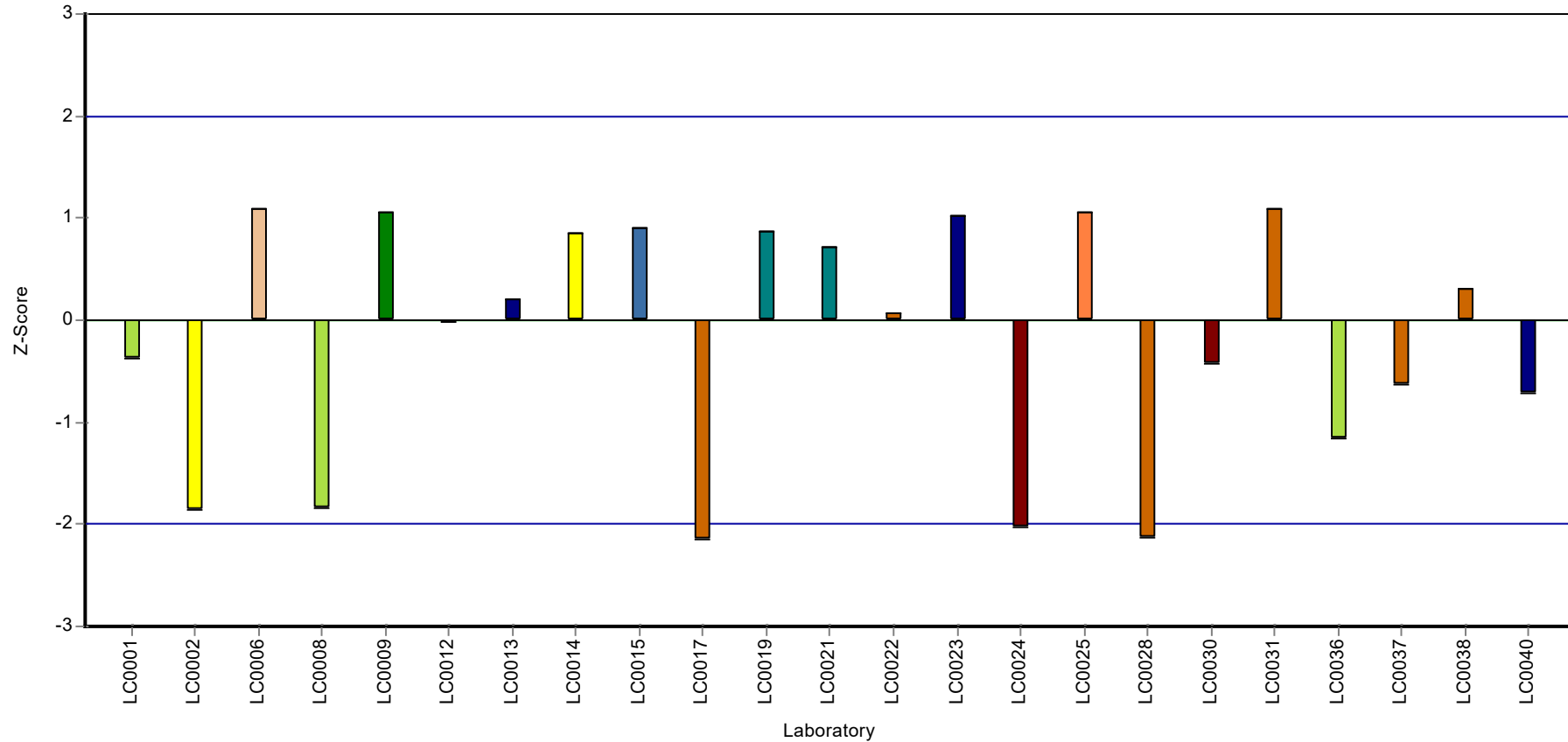
Recovery rate



Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Barium

Z-score



Parameter oriented report Waste acc. to landfill
directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Benzo[a]pyrene

Parameter oriented report

AB13

Benzo[a]pyrene

Unit	mg/kg DM
Assigned value ± U (k=2)	0.105 ± 0.0215
Criterion	0.0494 (47 %)
Minimum - Maximum	0.022 - 0.217
Control test value ± U (k=2)	0.108 ± 0.0265

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.0765	0.0078	72.8	-0.58	
LC0002	-	-	-	-	
LC0003	0.217	0.017	207	2.27	
LC0004	0.142	0.03	135	0.75	
LC0005	0.0976	0.0098	92.9	-0.15	
LC0006	0.1	0.01	95.2	-0.1	
LC0007	0.163	0.048	155	1.17	
LC0008	0.133	0.0265	127	0.57	
LC0009	0.022	0.004	20.9	-1.68	
LC0010	-	-	-	-	
LC0011	0.167	0.047	159	1.25	
LC0012	0.032	0.002	30.5	-1.48	
LC0013	< 0.05 (LOQ)	-	-	-	
LC0014	-	-	-	-	
LC0015	0.1437	0.0216	137	0.78	
LC0016	0.09	0.01	85.7	-0.3	
LC0017	0.169	0.016	161	1.3	
LC0018	-	-	-	-	
LC0019	0.081	0.0178	77.1	-0.49	
LC0020	-	-	-	-	
LC0021	0.097	0.013	92.3	-0.16	
LC0022	0.0424	0.00424	40.4	-1.27	
LC0023	0.071	0.032	67.6	-0.69	
LC0024	-	-	-	-	
LC0025	-	-	-	-	
LC0026	-	-	-	-	
LC0027	< 0.03 (LOQ)	-	-	-	
LC0028	< 0.05 (LOQ)	-	-	-	
LC0029	-	-	-	-	
LC0030	-	-	-	-	
LC0031	-	-	-	-	
LC0032	-	-	-	-	
LC0033	-	-	-	-	
LC0034	-	-	-	-	
LC0035	-	-	-	-	
LC0036	-	-	-	-	
LC0037	0.104	0.021	99	-0.02	
LC0038	0.1081	0.0173	103	0.06	
LC0039	0.0846	0.03807	80.5	-0.41	
LC0040	0.065	0.006	61.9	-0.81	

Parameter oriented report Waste acc. to landfill
directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Benzo[a]pyrene

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0041	-	-	-	-	

Characteristics of parameter

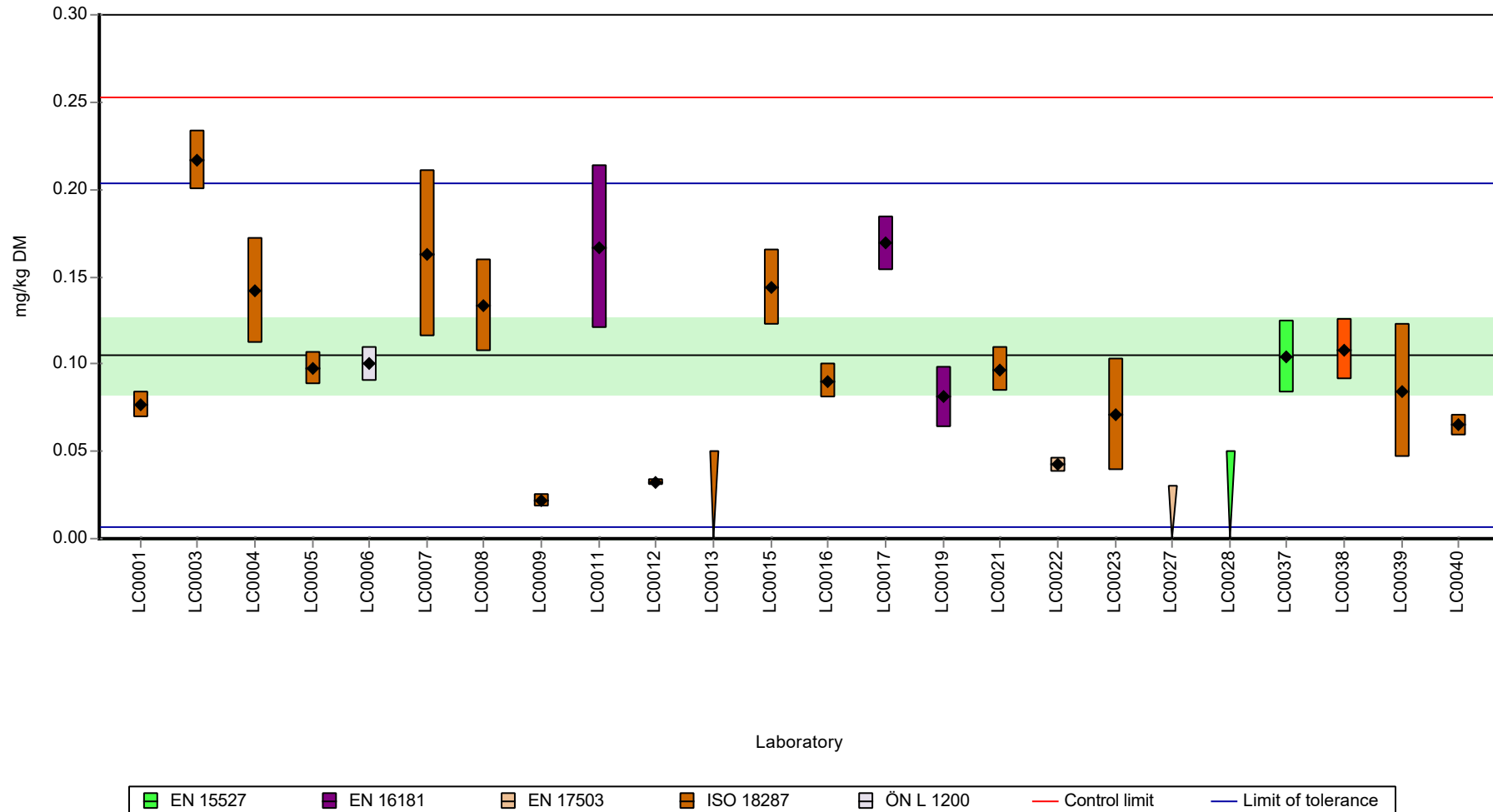
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.105 ± 0.0323	0.105 ± 0.0323	mg/kg DM
Minimum	0.022	0.022	mg/kg DM
Maximum	0.217	0.217	mg/kg DM
Standard deviation	0.0493	0.0493	mg/kg DM
rel. standard deviation	46.9	46.9	%
n	21	21	-

Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Benzo[a]pyrene

Graphical presentation of results

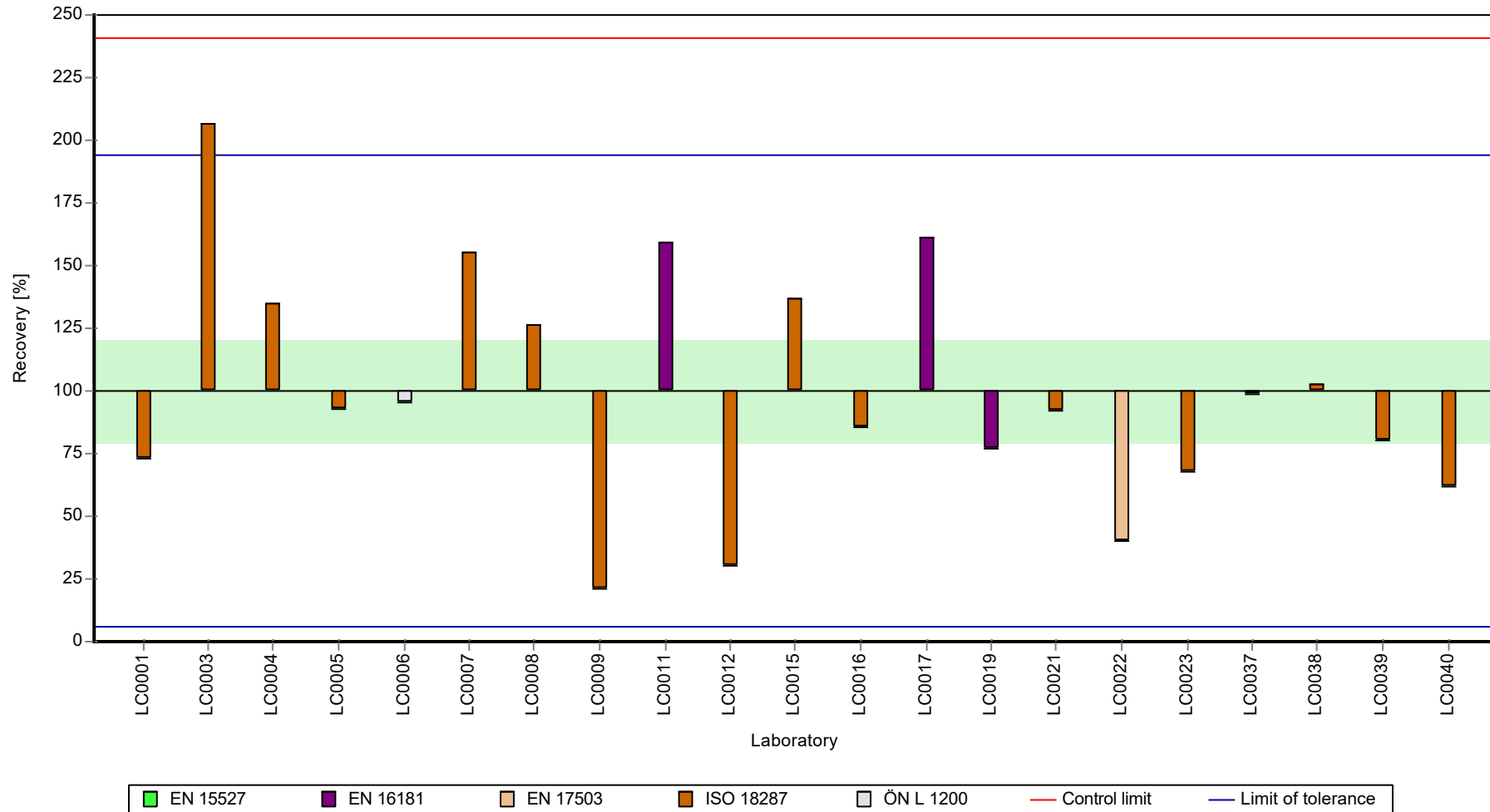
Results



Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Benzo[a]pyrene

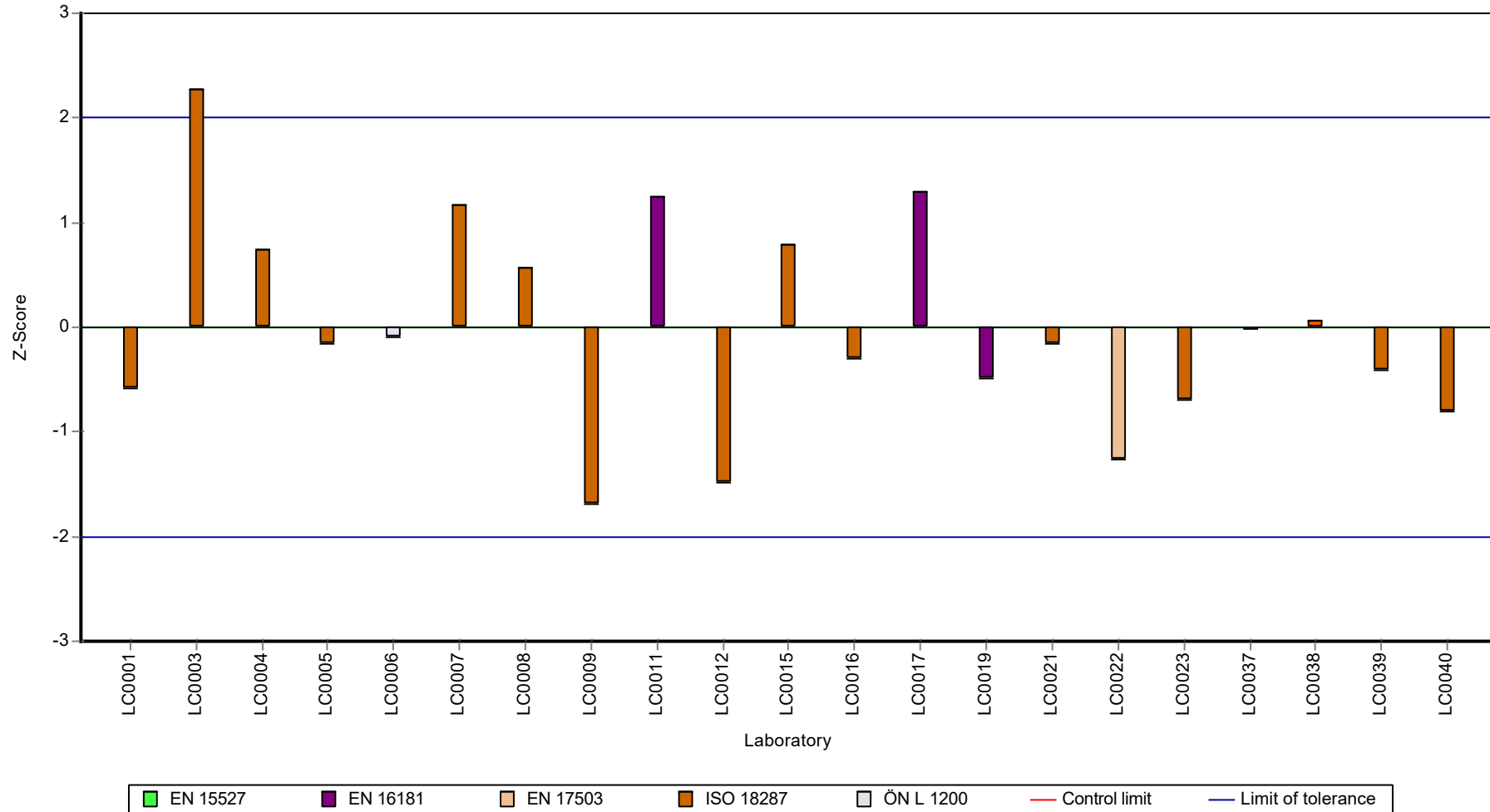
Recovery rate



Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Benzo[a]pyrene

Z-score



Parameter oriented report Waste acc. to landfill
directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Cadmium

Parameter oriented report

AB13

Cadmium

Unit	mg/kg DM
Assigned value ± U (k=2)	1.04 ± 0.0519
Criterion	0.156 (15 %)
Minimum - Maximum	0.759 - 1.3
Control test value ± U (k=2)	0.909 ± 0.173

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	1.07	0.037	103	0.18	
LC0002	0.987	0.25	94.7	-0.35	
LC0003	-	-	-	-	
LC0004	1.15	0.33	110	0.69	
LC0005	-	-	-	-	
LC0006	1	0.24	95.9	-0.27	
LC0007	1.3	0.15	125	1.65	
LC0008	0.973	0.291	93.3	-0.44	
LC0009	1.26	0.44	121	1.39	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	1.173	0.05	113	0.84	
LC0013	0.965	0.15	92.6	-0.5	
LC0014	0.984	0.039	94.4	-0.37	
LC0015	0.942	0.071	90.4	-0.64	
LC0016	2.22	0.13	213	7.53	H
LC0017	1.23	0.092	118	1.2	
LC0018	-	-	-	-	
LC0019	1.04	0.0832	99.8	-0.02	
LC0020	-	-	-	-	
LC0021	1.22	0.088	117	1.14	
LC0022	1.06	0.106	102	0.11	
LC0023	0.34	0.102	32.6	-4.49	H
LC0024	0.759	0.09867	72.8	-1.81	
LC0025	0.973	0.175	93.3	-0.44	
LC0026	0.99	0.373	95	-0.34	
LC0027	< 0.25 (LOQ)	-	-	-	FN
LC0028	0.8	0.036	76.7	-1.55	
LC0029	-	-	-	-	
LC0030	0.605	0.121	58	-2.8	H
LC0031	0.612	0.0803	58.7	-2.75	H
LC0032	-	-	-	-	
LC0033	1	0.3	95.9	-0.27	
LC0034	9.94	0.829	954	56.9	H
LC0035	1.07	0.5	103	0.18	
LC0036	0.9447	0.1417	90.6	-0.63	
LC0037	1.99	0.4	191	6.06	H
LC0038	1.541	0.0565	148	3.19	H
LC0039	1.05	0.21	101	0.05	
LC0040	1.11	0.09	106	0.43	

Parameter oriented report Waste acc. to landfill
directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Cadmium

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0041	1.01	0.202	96.9	-0.21	

Characteristics of parameter

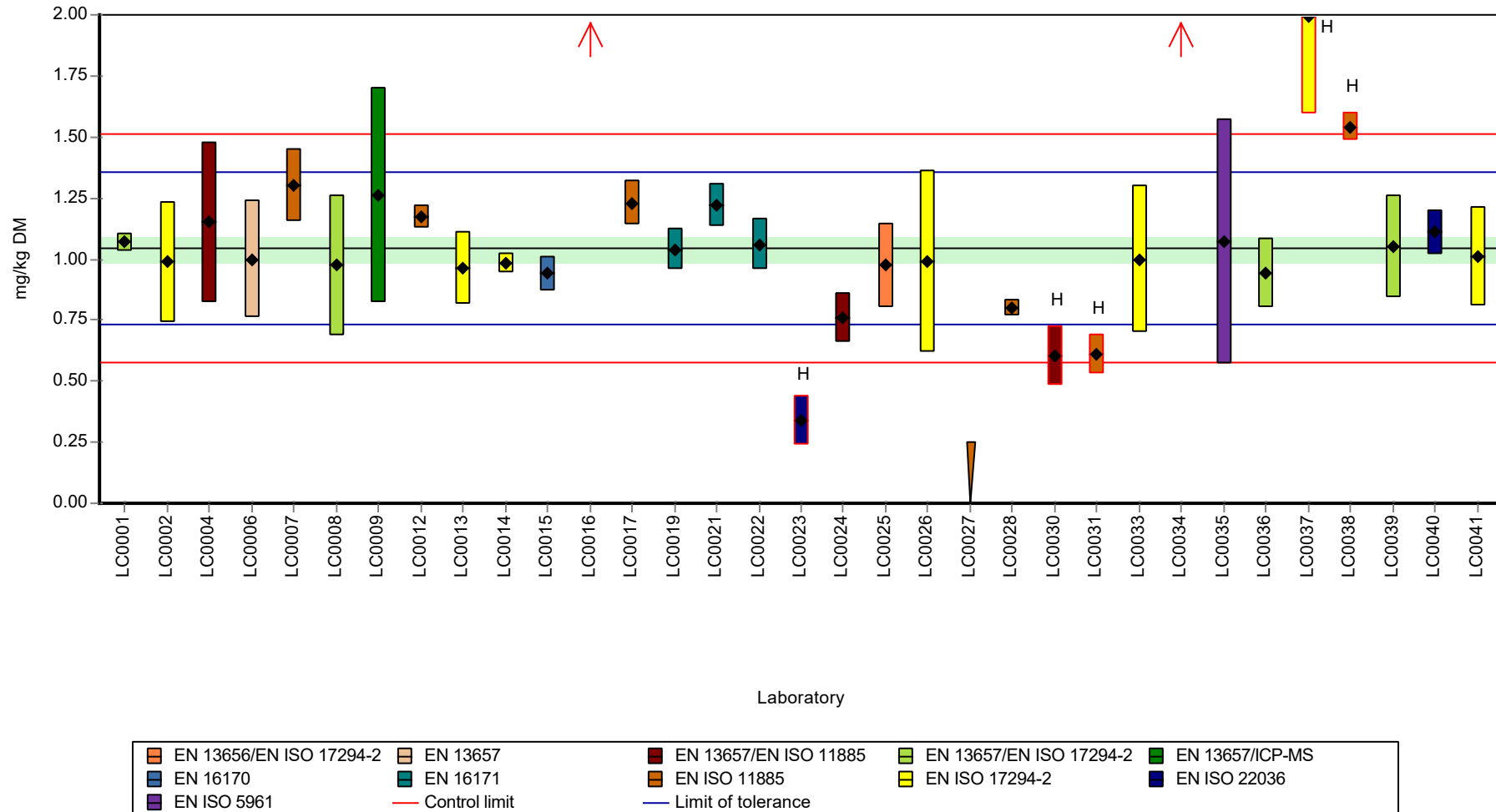
	all results	w without outliers	Unit
Mean ± CI (99%)	1.35 ± 0.851	1.04 ± 0.0778	mg/kg DM
Minimum	0.34	0.759	mg/kg DM
Maximum	9.94	1.3	mg/kg DM
Standard deviation	1.61	0.13	mg/kg DM
rel. standard deviation	119	12.4	%
n	32	25	-

Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Cadmium

Graphical presentation of results

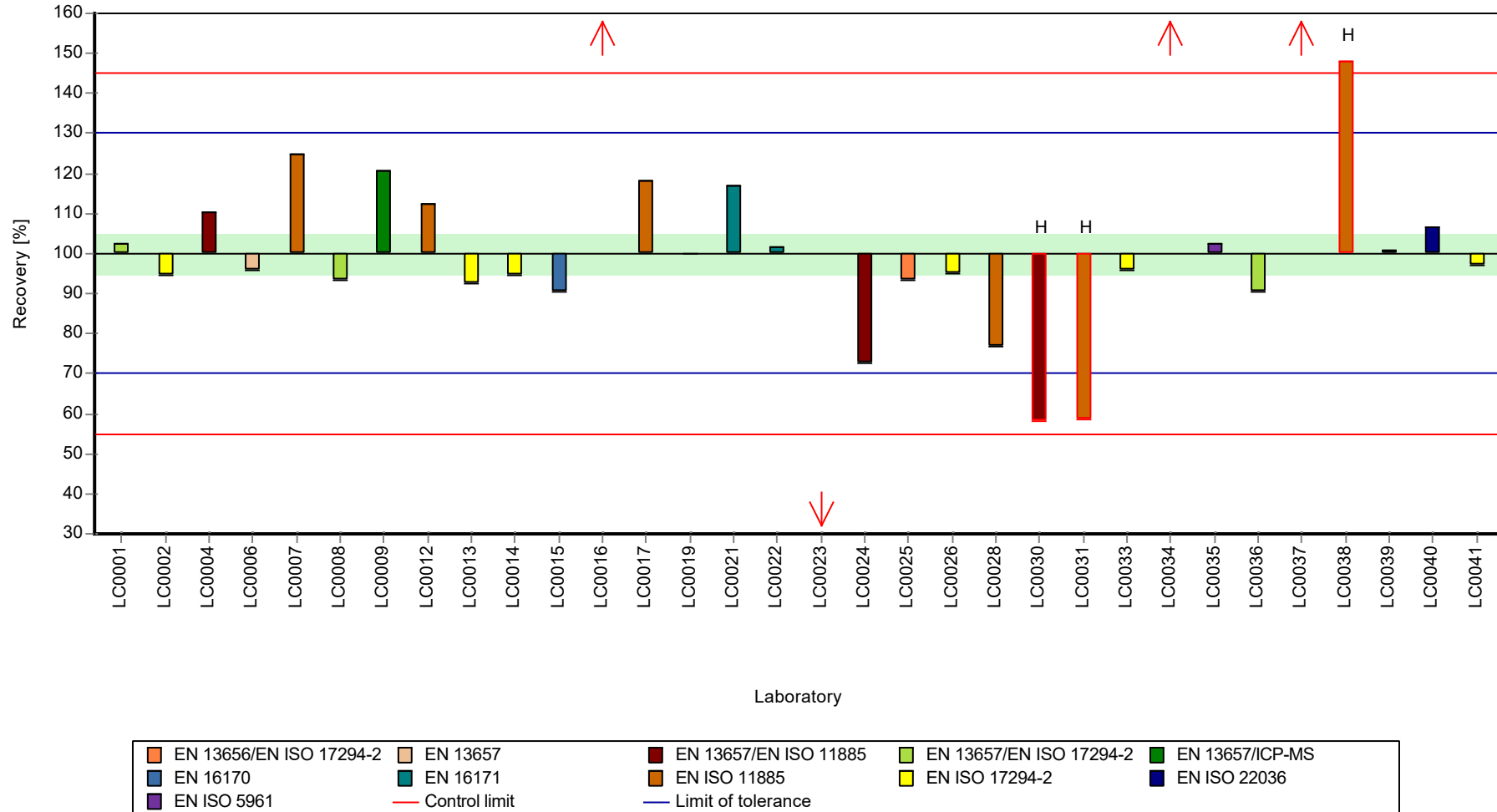
Results



Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Cadmium

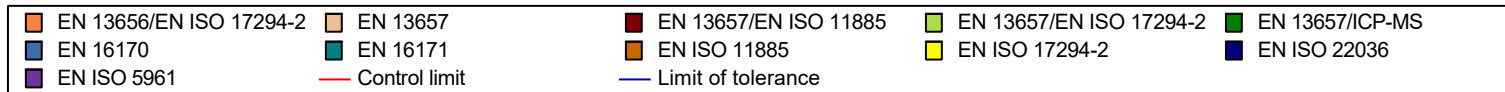
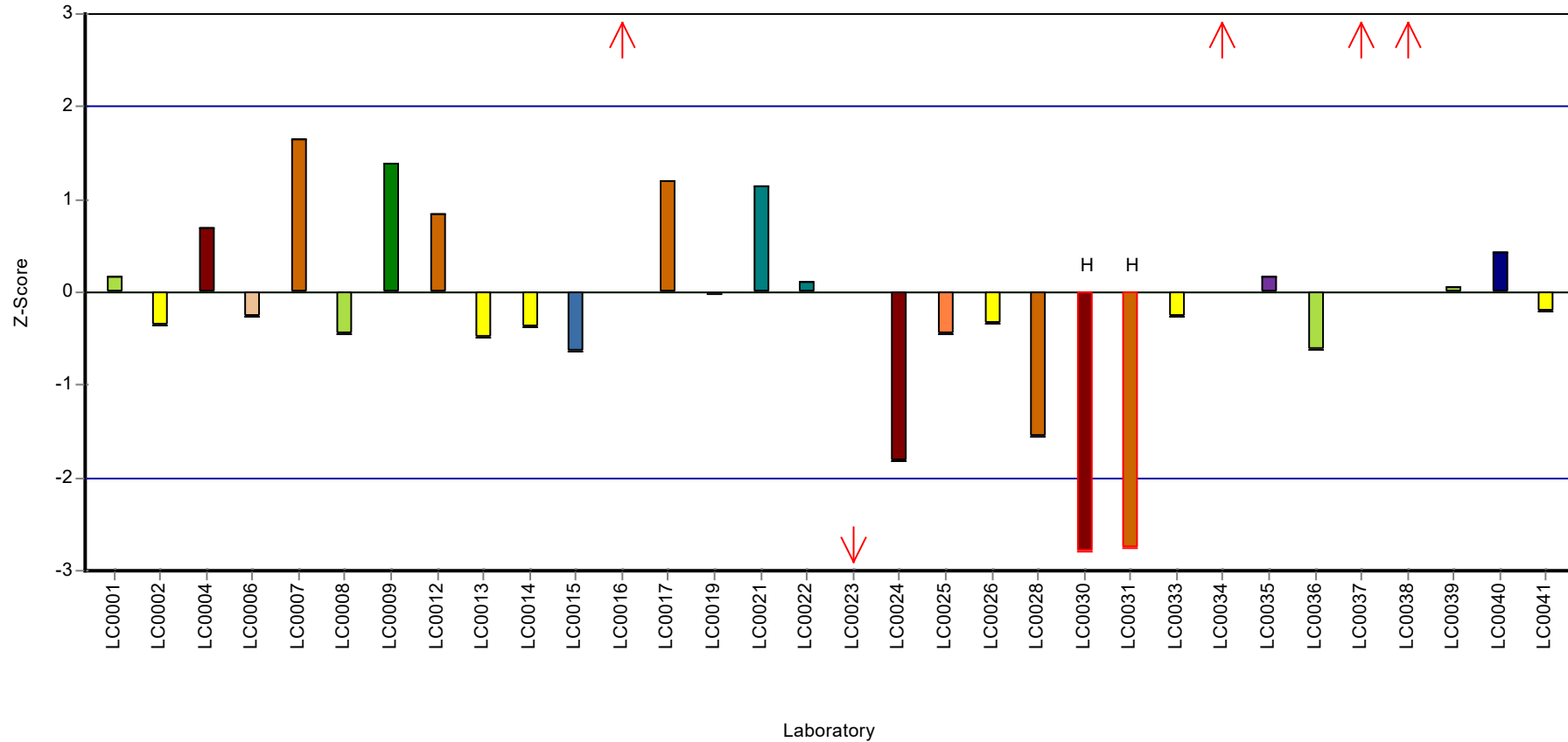
Recovery rate



Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Cadmium

Z-score



Parameter oriented report Waste acc. to landfill
directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Chromium

Parameter oriented report

AB13

Chromium

Unit	mg/kg DM
Assigned value \pm U (k=2)	522 \pm 29.2
Criterion	78.3 (15 %)
Minimum - Maximum	425 - 714
Control test value \pm U (k=2)	327.0 \pm 65.4

Labcode	Result	\pm U	Recovery [%]	z-score	Comments
LC0001	525	31	101	0.04	
LC0002	521	156	99.8	-0.01	
LC0003	-	-	-	-	
LC0004	485	140	92.9	-0.47	
LC0005	-	-	-	-	
LC0006	714	107	137	2.45	
LC0007	520	78	99.6	-0.02	
LC0008	477	95.5	91.4	-0.57	
LC0009	550	18.8	105	0.36	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	519	3	99.4	-0.04	
LC0013	480	80	92	-0.54	
LC0014	471.78	32.165	90.4	-0.64	
LC0015	485	58.2	92.9	-0.47	
LC0016	453	23	86.8	-0.88	
LC0017	491	33	94.1	-0.4	
LC0018	-	-	-	-	
LC0019	543	43.4	104	0.27	
LC0020	-	-	-	-	
LC0021	517.55	55.43	99.2	-0.06	
LC0022	428	42.8	82	-1.2	
LC0023	588.6	176.58	113	0.85	
LC0024	266.06	34.5878	51	-3.27	H
LC0025	676	122	130	1.97	
LC0026	592	199	113	0.9	
LC0027	537	107	103	0.19	
LC0028	440	24.2	84.3	-1.05	
LC0029	-	-	-	-	
LC0030	458	91.6	87.8	-0.82	
LC0031	694	67.5	133	2.2	
LC0032	-	-	-	-	
LC0033	522	157	100	0	
LC0034	801	16.3	153	3.56	H
LC0035	494.3	5	94.7	-0.35	
LC0036	449.9	44.99	86.2	-0.92	
LC0037	438	88	83.9	-1.07	
LC0038	643.7	34.62	123	1.56	
LC0039	594	118.8	114	0.92	
LC0040	425	35.3	81.4	-1.24	

Parameter oriented report Waste acc. to landfill
directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Chromium

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0041	491	98.2	94.1	-0.4	

Characteristics of parameter

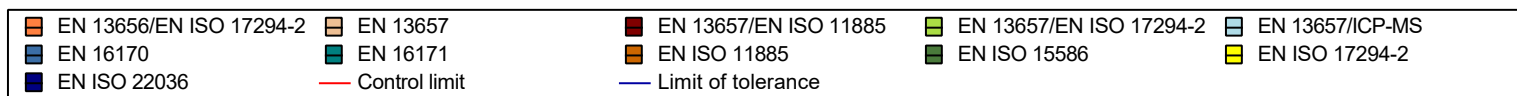
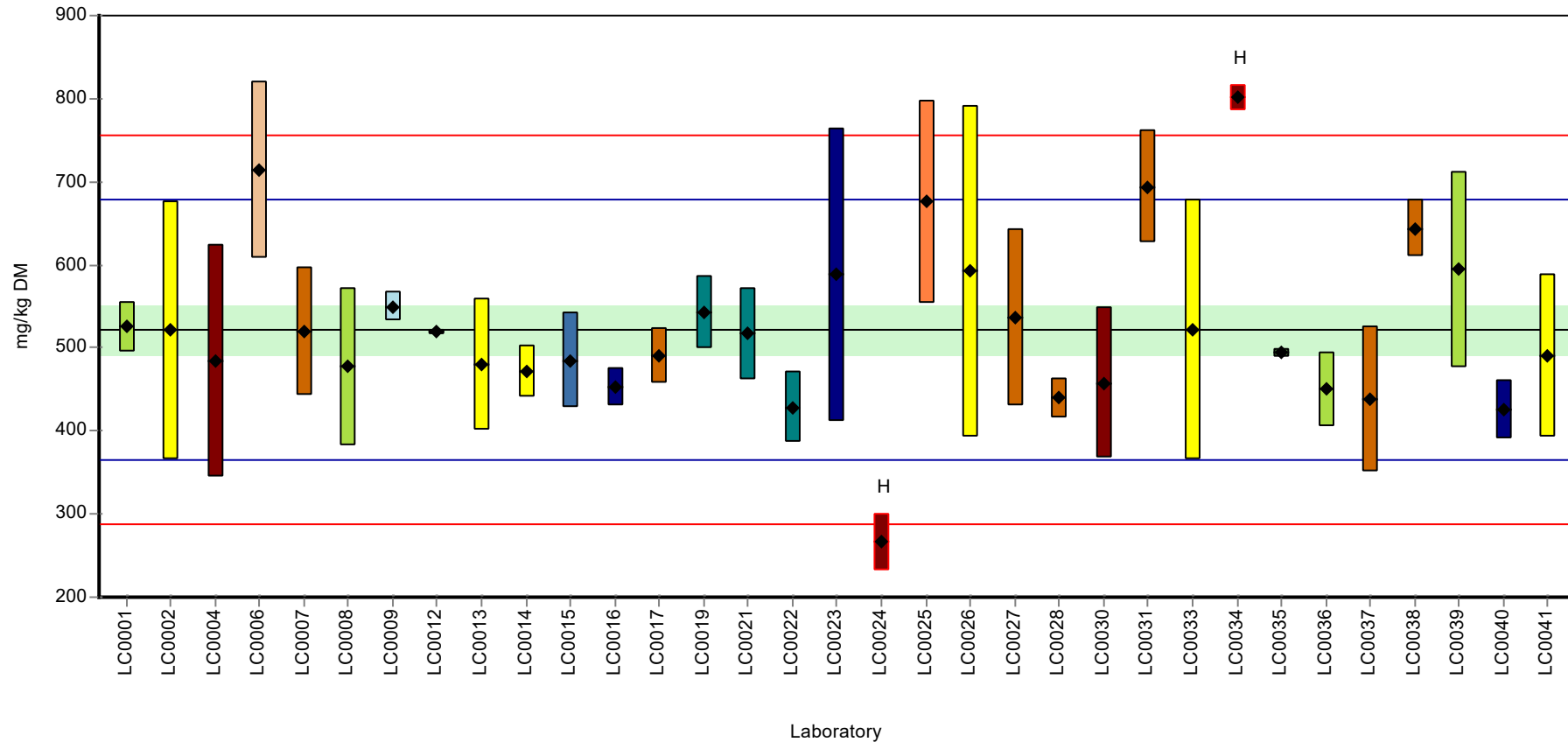
	all results	w without outliers	Unit
Mean ± CI (99%)	524 ± 52.4	523 ± 41.6	mg/kg DM
Minimum	266	425	mg/kg DM
Maximum	801	714	mg/kg DM
Standard deviation	100	77.2	mg/kg DM
rel. standard deviation	19.1	14.7	%
n	33	31	-

Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Chromium

Graphical presentation of results

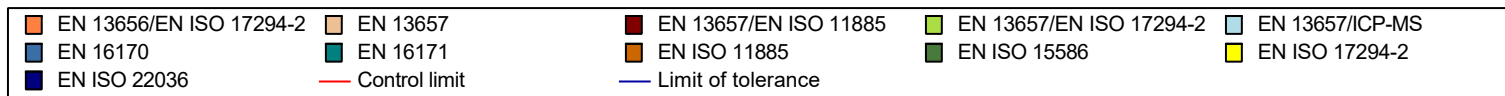
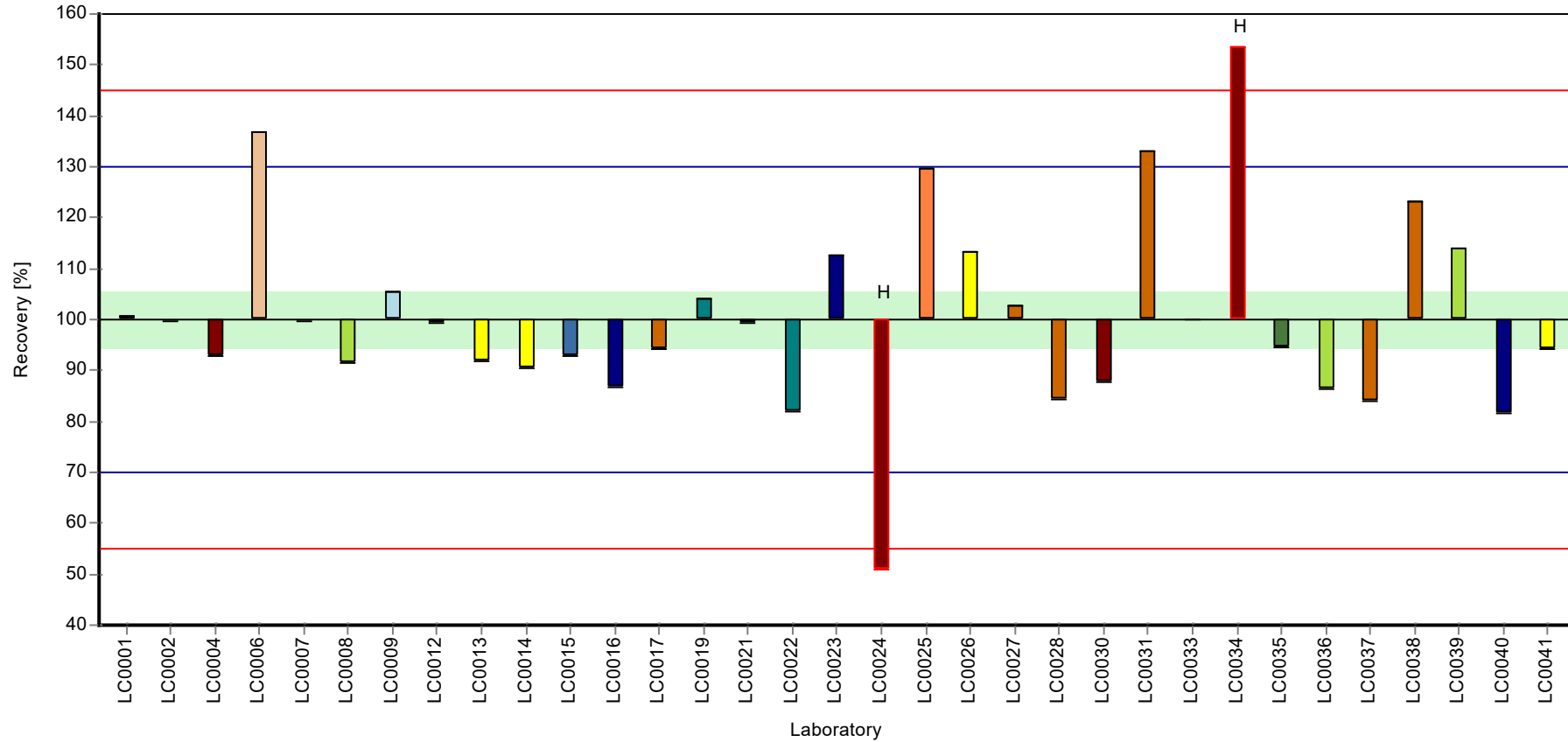
Results



Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Chromium

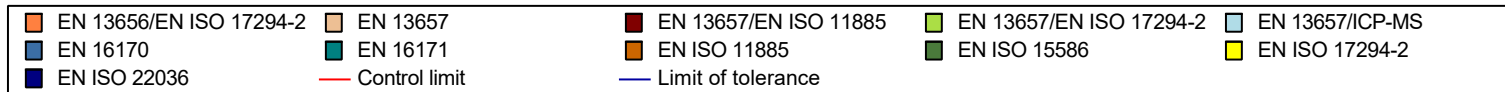
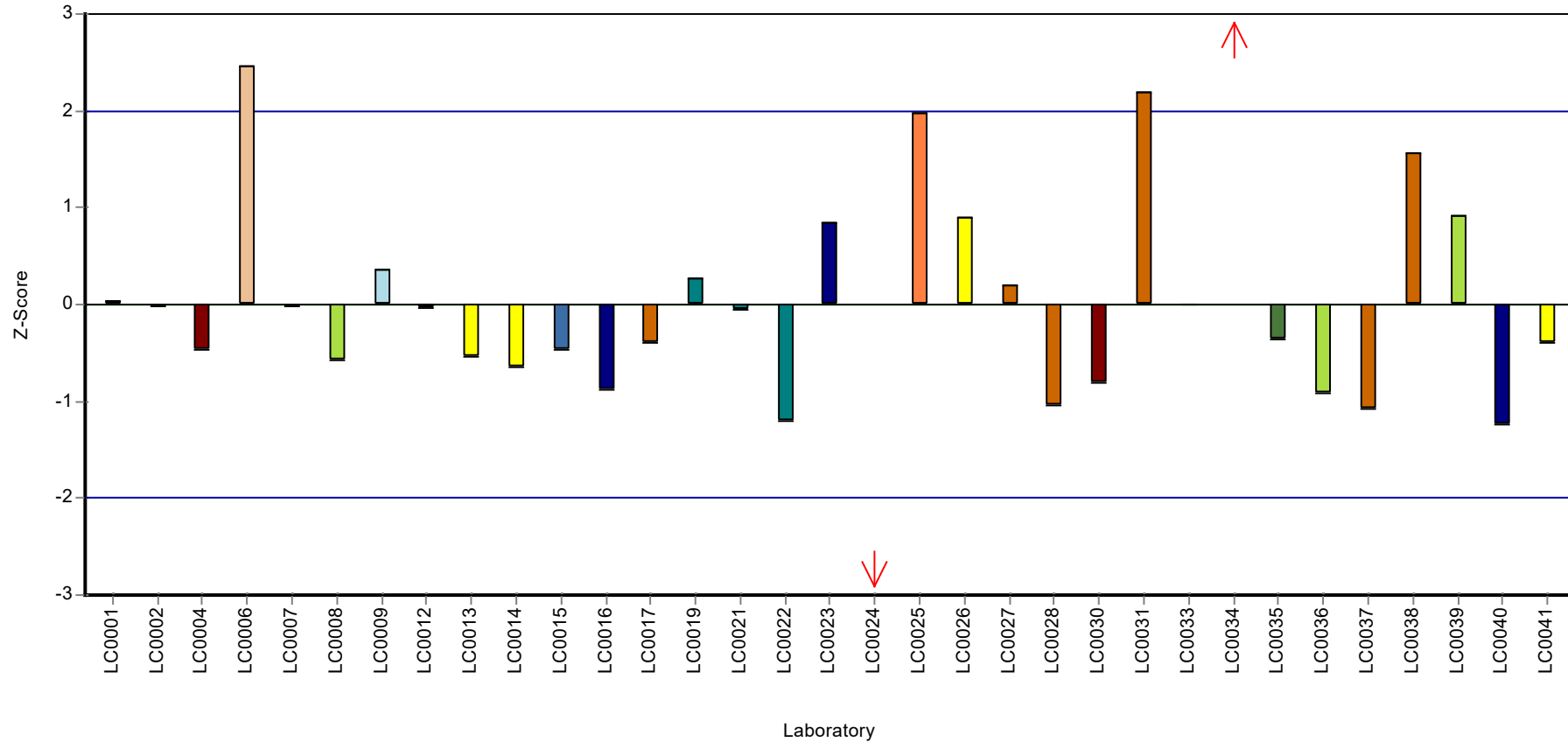
Recovery rate



Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Chromium

Z-score



Parameter oriented report Waste acc. to landfill
directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Cobalt

Parameter oriented report

AB13

Cobalt

Unit	mg/kg DM
Assigned value \pm U (k=2)	71.1 \pm 5.14
Criterion	12.8 (18 %)
Minimum - Maximum	41.9 - 101
Control test value \pm U (k=2)	58.9 \pm 10

Labcode	Result	\pm U	Recovery [%]	z-score	Comments
LC0001	69.5	4.1	97.7	-0.13	
LC0002	72.3	22	102	0.09	
LC0003	-	-	-	-	
LC0004	81.3	9.8	114	0.79	
LC0005	-	-	-	-	
LC0006	101	10	142	2.33	
LC0007	-	-	-	-	
LC0008	71.5	7.15	101	0.03	
LC0009	68.3	7.72	96	-0.22	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	52.07	1	73.2	-1.49	
LC0013	61.1	6.1	85.9	-0.78	
LC0014	57.6	2.924	81	-1.06	
LC0015	70.2	11.58	98.7	-0.07	
LC0016	-	-	-	-	
LC0017	69.3	4	97.4	-0.14	
LC0018	-	-	-	-	
LC0019	59.1	4.73	83.1	-0.94	
LC0020	-	-	-	-	
LC0021	71.02	7.1	99.8	-0.01	
LC0022	69	6.9	97	-0.17	
LC0023	83.4	25	117	0.96	
LC0024	51.38	10.276	72.2	-1.54	
LC0025	77	13.9	108	0.46	
LC0026	-	-	-	-	
LC0027	41.9	8.4	58.9	-2.28	
LC0028	67	8.375	94.2	-0.32	
LC0029	-	-	-	-	
LC0030	74.4	14.9	105	0.25	
LC0031	89.8	10.9	126	1.46	
LC0032	-	-	-	-	
LC0033	73.6	22.1	103	0.19	
LC0034	65.9	0.99	92.6	-0.41	
LC0035	177.7	2.5	250	8.32	H
LC0036	66.93	6.693	94.1	-0.33	
LC0037	88	17.6	124	1.32	
LC0038	95.82	6.068	135	1.93	
LC0039	-	-	-	-	
LC0040	84.7	7.3	119	1.06	

Parameter oriented report Waste acc. to landfill
directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Cobalt

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0041	67.2	20.16	94.5	-0.31	

Characteristics of parameter

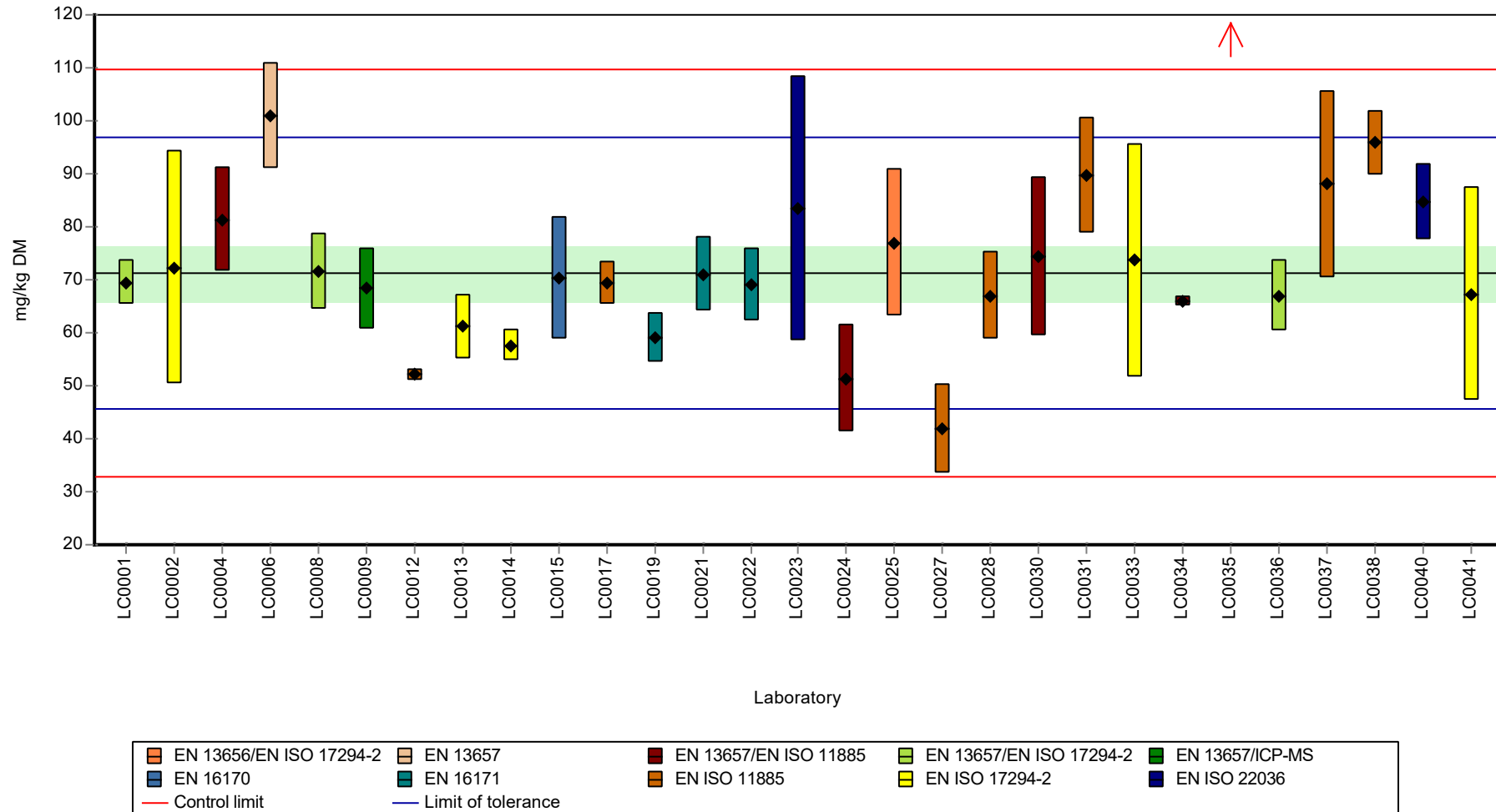
	all results	w ithout outliers	Unit
Mean ± CI (99%)	75.1 ± 13.2	71.4 ± 7.52	mg/kg DM
Minimum	41.9	41.9	mg/kg DM
Maximum	178	101	mg/kg DM
Standard deviation	23.6	13.3	mg/kg DM
rel. standard deviation	31.5	18.6	%
n	29	28	-

Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Cobalt

Graphical presentation of results

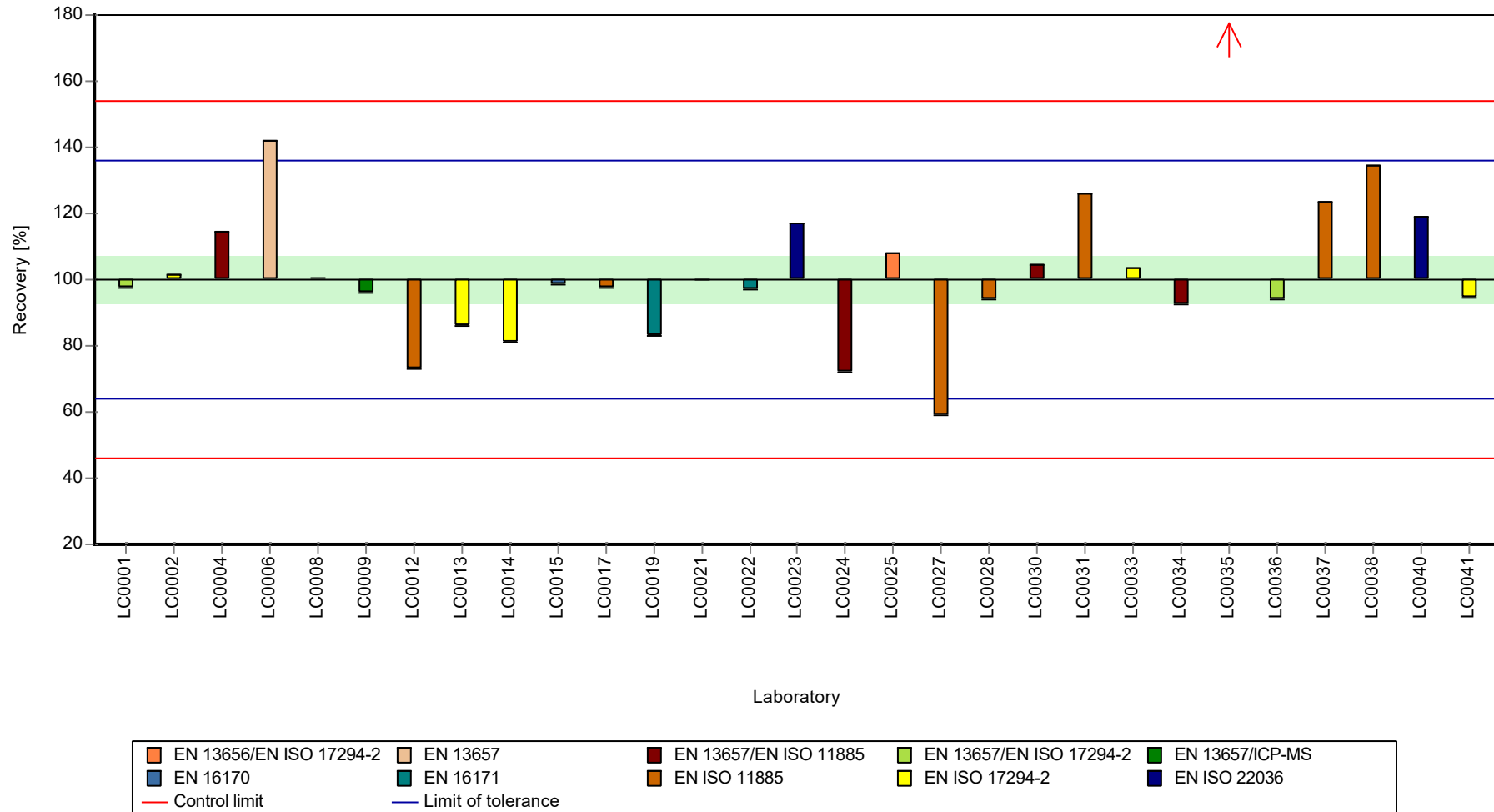
Results



Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Cobalt

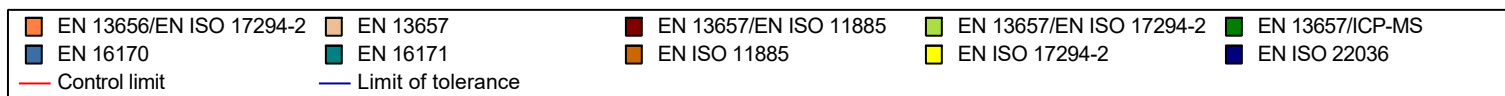
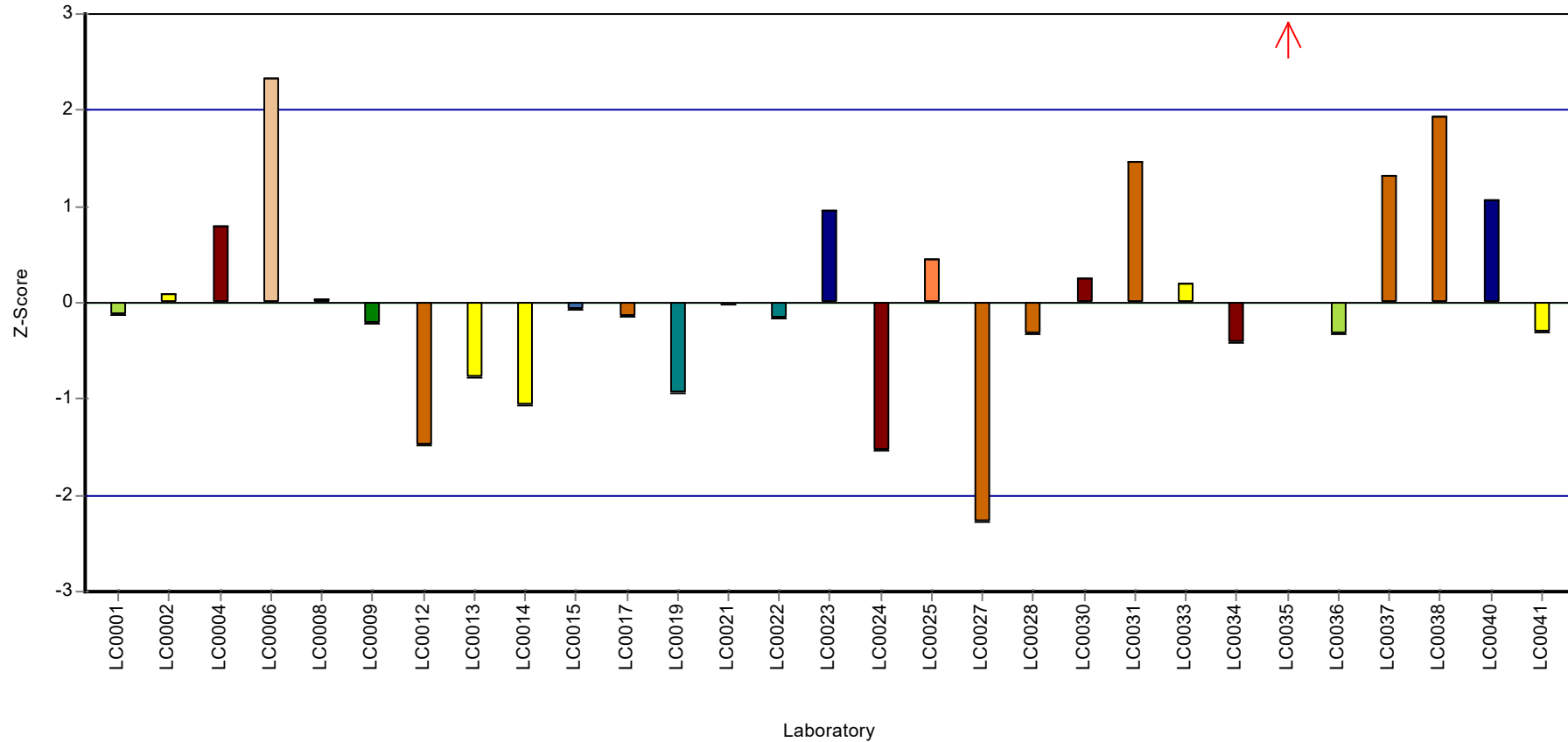
Recovery rate



Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Cobalt

Z-score



Parameter oriented report Waste acc. to landfill
directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Copper

Parameter oriented report

AB13

Copper

Unit	mg/kg DM
Assigned value \pm U (k=2)	2260 \pm 43.6
Criterion	226 (10 %)
Minimum - Maximum	2030 - 2470
Control test value \pm U (k=2)	2040.0 \pm 428

Labcode	Result	\pm U	Recovery [%]	z-score	Comments
LC0001	2355	47	104	0.44	
LC0002	2139	535	94.8	-0.52	
LC0003	-	-	-	-	
LC0004	2466	912	109	0.93	
LC0005	-	-	-	-	
LC0006	2793	394	124	2.38	H
LC0007	2216	266	98.2	-0.18	
LC0008	2427	485	108	0.76	
LC0009	2058	67.4	91.2	-0.88	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	2030	12	90	-1	
LC0013	2180	326	96.6	-0.34	
LC0014	2188.6	161.666	97	-0.3	
LC0015	2250	191	99.7	-0.03	
LC0016	1530	92	67.8	-3.22	H
LC0017	2180	120	96.6	-0.34	
LC0018	-	-	-	-	
LC0019	2260	181	100	0.02	
LC0020	-	-	-	-	
LC0021	2258.6	207.34	100	0.01	
LC0022	2307	230.7	102	0.23	
LC0023	2226.7	668	98.7	-0.13	
LC0024	2112.7	316.905	93.7	-0.63	
LC0025	2402	432	106	0.65	
LC0026	2180	466	96.6	-0.34	
LC0027	2420	480	107	0.73	
LC0028	2400	168	106	0.64	
LC0029	-	-	-	-	
LC0030	2080	416	92.2	-0.78	
LC0031	2225	167	98.6	-0.14	
LC0032	-	-	-	-	
LC0033	2171	651	96.2	-0.38	
LC0034	2280	152	101	0.11	
LC0035	-	-	-	-	
LC0036	2301	345.2	102	0.2	
LC0037	2280	460	101	0.11	
LC0038	2411	193.4	107	0.69	
LC0039	3480	696	154	5.43	H
LC0040	2380	128	106	0.55	

Parameter oriented report Waste acc. to landfill
directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Copper

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0041	2230	446	98.9	-0.11	

Characteristics of parameter

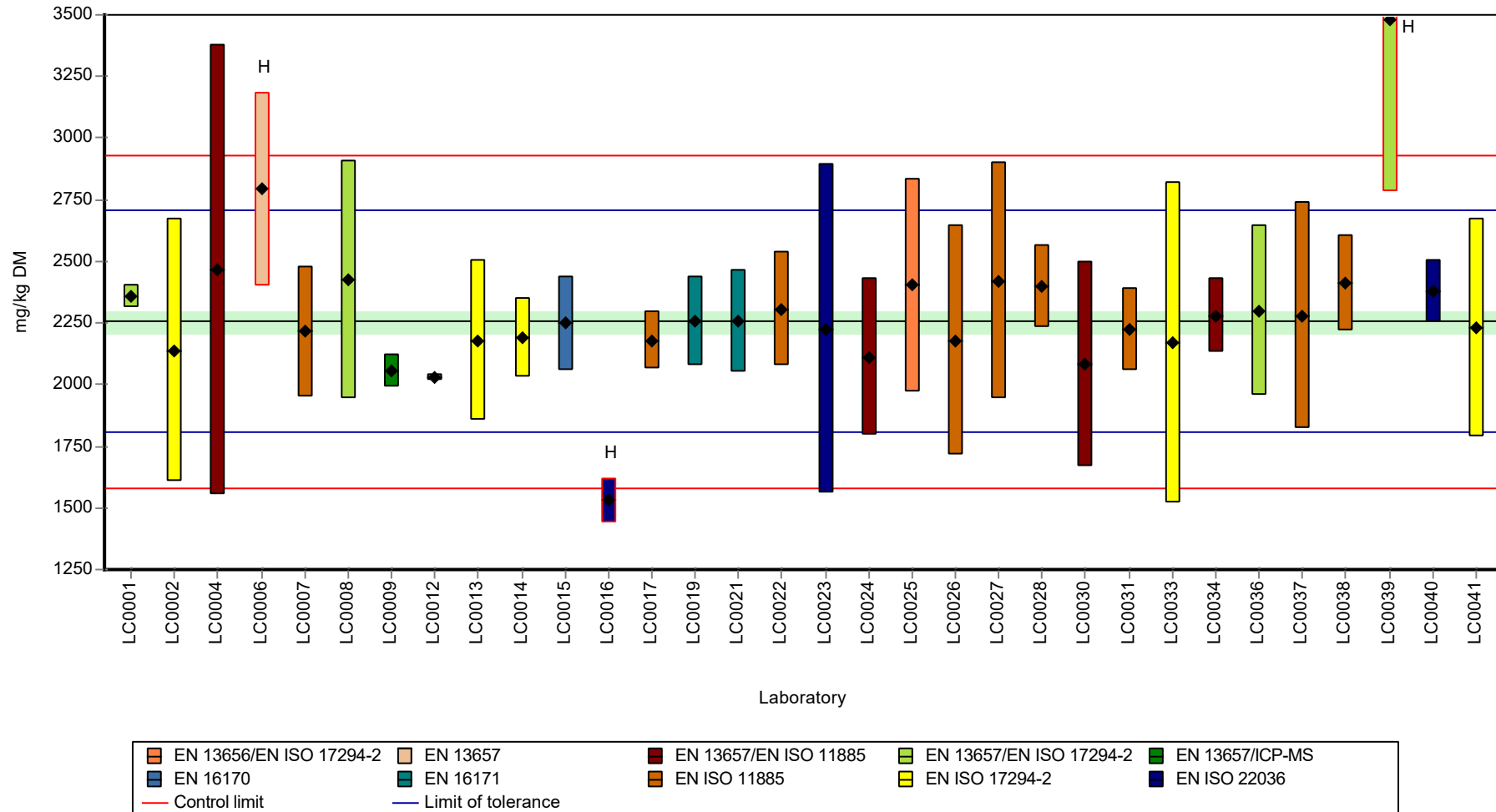
	all results	w without outliers	Unit
Mean ± CI (99%)	2290 ± 156	2260 ± 65.4	mg/kg DM
Minimum	1530	2030	mg/kg DM
Maximum	3480	2470	mg/kg DM
Standard deviation	293	117	mg/kg DM
rel. standard deviation	12.8	5.21	%
n	32	29	-

Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Copper

Graphical presentation of results

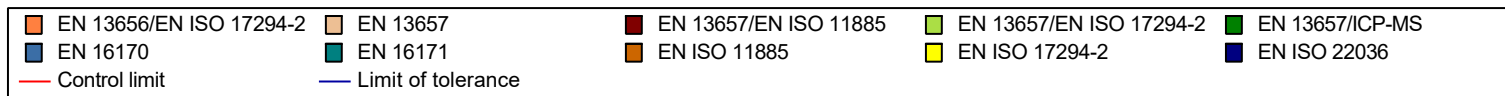
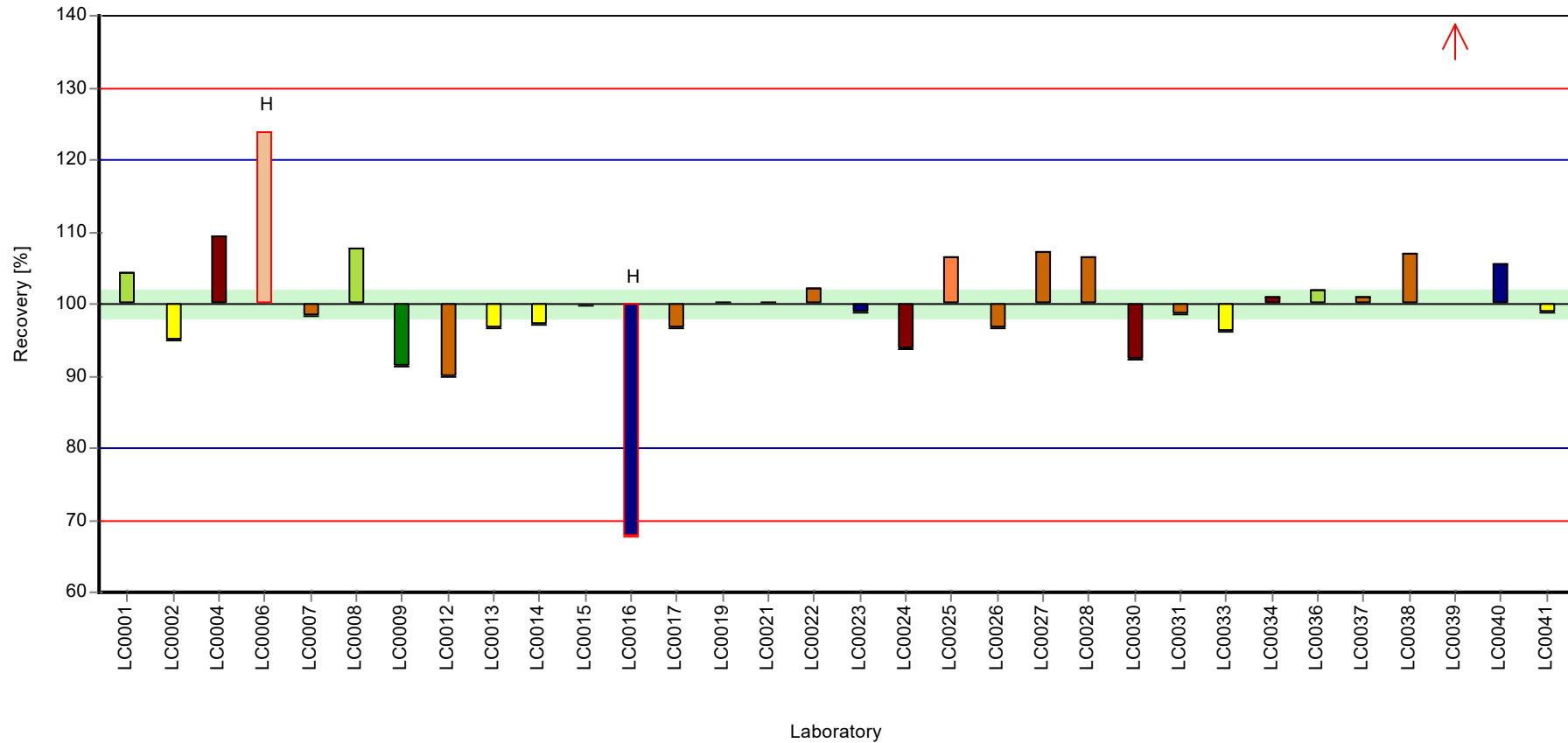
Results



Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Copper

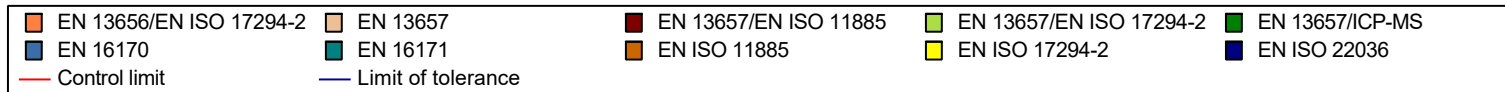
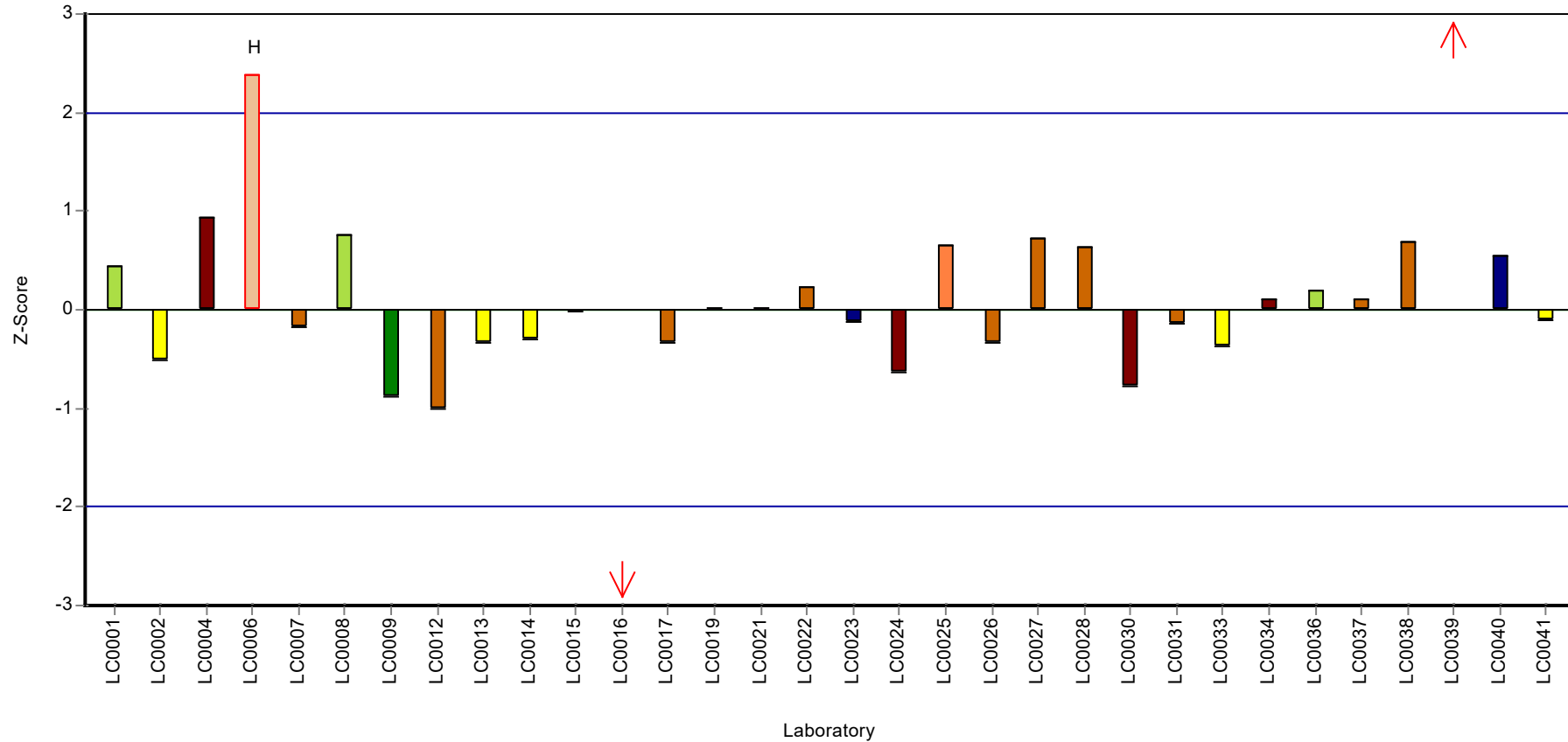
Recovery rate



Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Copper

Z-score



Parameter oriented report Waste acc. to landfill
directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Dry mass

Parameter oriented report

AB13

Dry mass

Unit	%
Assigned value ± U (k=2)	99.4 ± 0.0533
Criterion	0.497 (0.5 %)
Minimum - Maximum	99 - 99.8
Control test value ± U (k=2)	99.4 ± 0.298

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	99.34	1.5	99.9	-0.11	
LC0002	99.4	4.97	100	0.01	
LC0003	99.4	0.39	100	0.01	
LC0004	99.5	5	100	0.21	
LC0005	99.55	2.49	100	0.31	
LC0006	-	-	-	-	
LC0007	99.8	0.2	100	0.82	
LC0008	99.4	9.94	100	0.01	
LC0009	99.32	0.2	99.9	-0.15	
LC0010	99.1	0.5	99.7	-0.59	
LC0011	99.4	0.2	100	0.01	
LC0012	99.47	2	100	0.15	
LC0013	99.5	1.5	100	0.21	
LC0014	99.35	0.012	100	-0.09	
LC0015	99.3	2.5	99.9	-0.19	
LC0016	99.4	0.99	100	0.01	
LC0017	99.6	2.5	100	0.41	
LC0018	99.4	0.013	100	0.01	
LC0019	99.3	2.98	99.9	-0.19	
LC0020	-	-	-	-	
LC0021	99.35	4.47	100	-0.09	
LC0022	99	1.98	99.6	-0.79	
LC0023	99.6	4.98	100	0.41	
LC0024	99.5	4.975	100	0.21	
LC0025	-	-	-	-	
LC0026	99.47	0.02	100	0.15	
LC0027	100	1	101	1.22	H
LC0028	99.4	1.491	100	0.01	
LC0029	99.245	1.11	99.8	-0.3	
LC0030	98.8	4.94	99.4	-1.2	H
LC0031	99.18	7.77	99.8	-0.43	
LC0032	99.21	19.84	99.8	-0.37	
LC0033	99.5	29.9	100	0.21	
LC0034	99.4	0.017	100	0.01	
LC0035	-	-	-	-	
LC0036	99.1	4.955	99.7	-0.59	
LC0037	99.4	0.5	100	0.01	
LC0038	99.41	0.15	100	0.03	
LC0039	99.6	4.98	100	0.41	
LC0040	99.4	1.2	100	0.01	

Parameter oriented report Waste acc. to landfill
directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Dry mass

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0041	99.5	4.975	100	0.21	

Characteristics of parameter

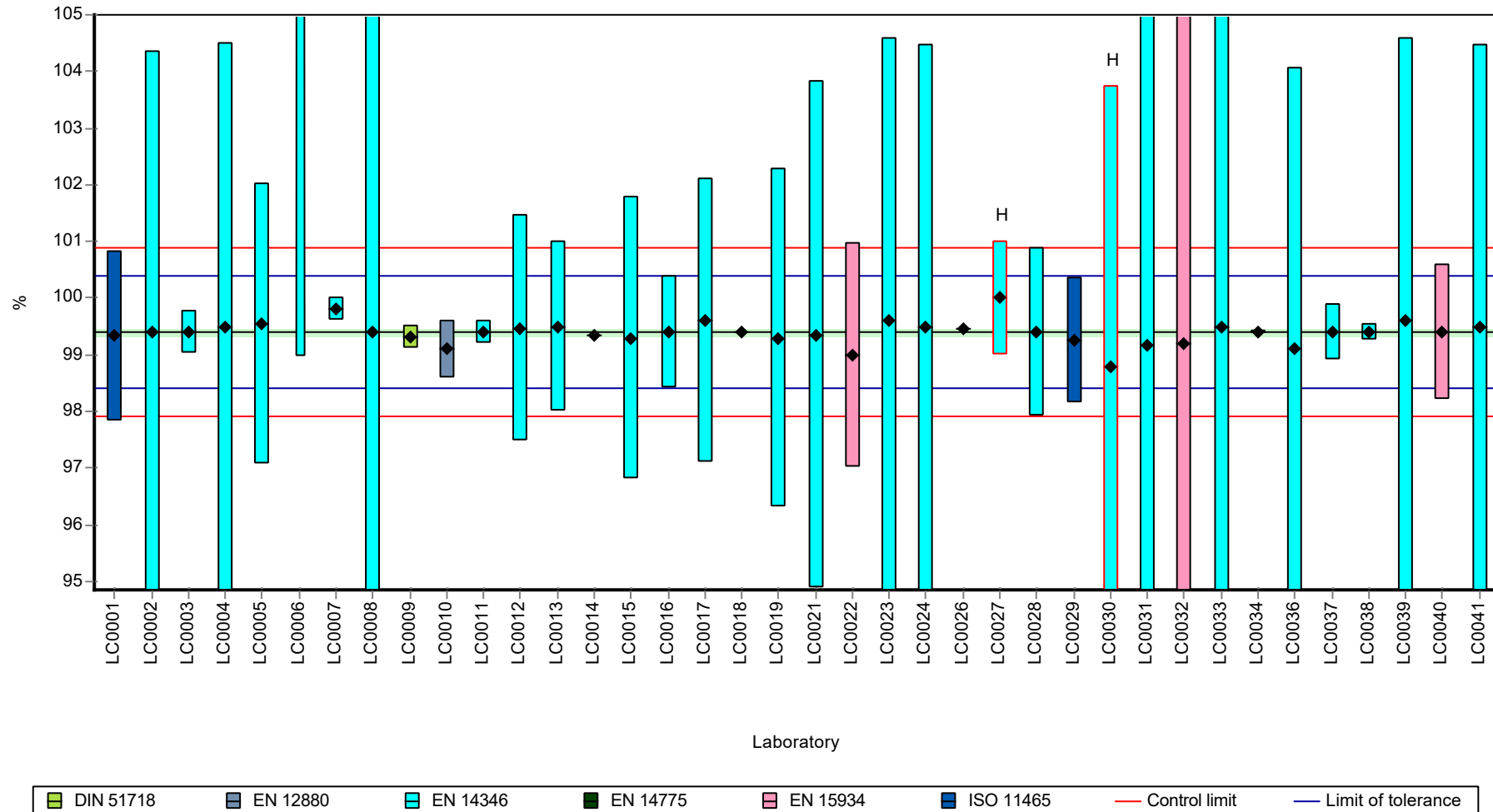
	all results	w ithout outliers	Unit
Mean ± CI (99%)	99.4 ± 0.103	99.4 ± 0.0799	%
Minimum	98.8	99	%
Maximum	100	99.8	%
Standard deviation	0.208	0.158	%
rel. standard deviation	0.21	0.159	%
n	37	35	-

Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Dry mass

Graphical presentation of results

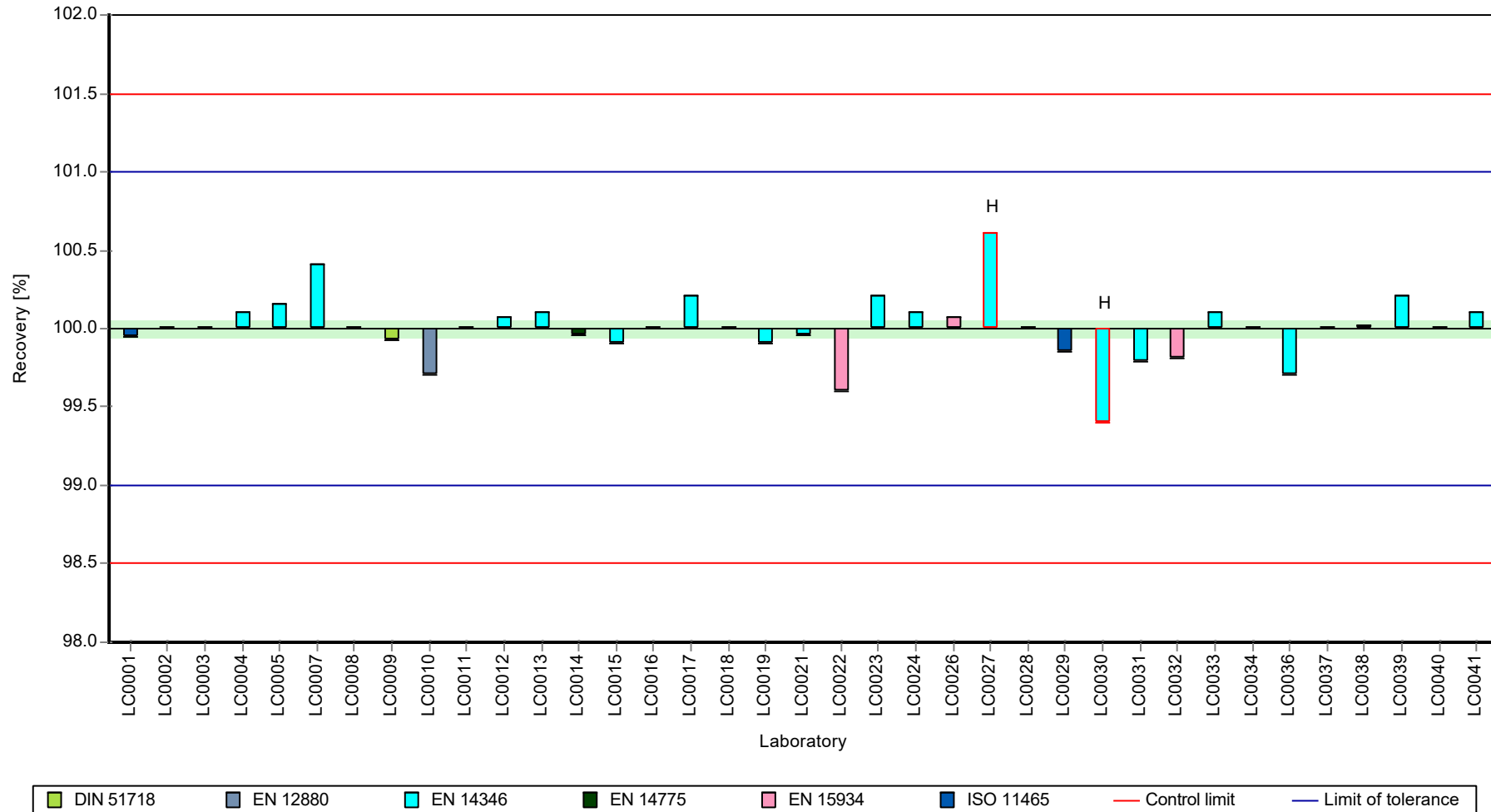
Results



Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Dry mass

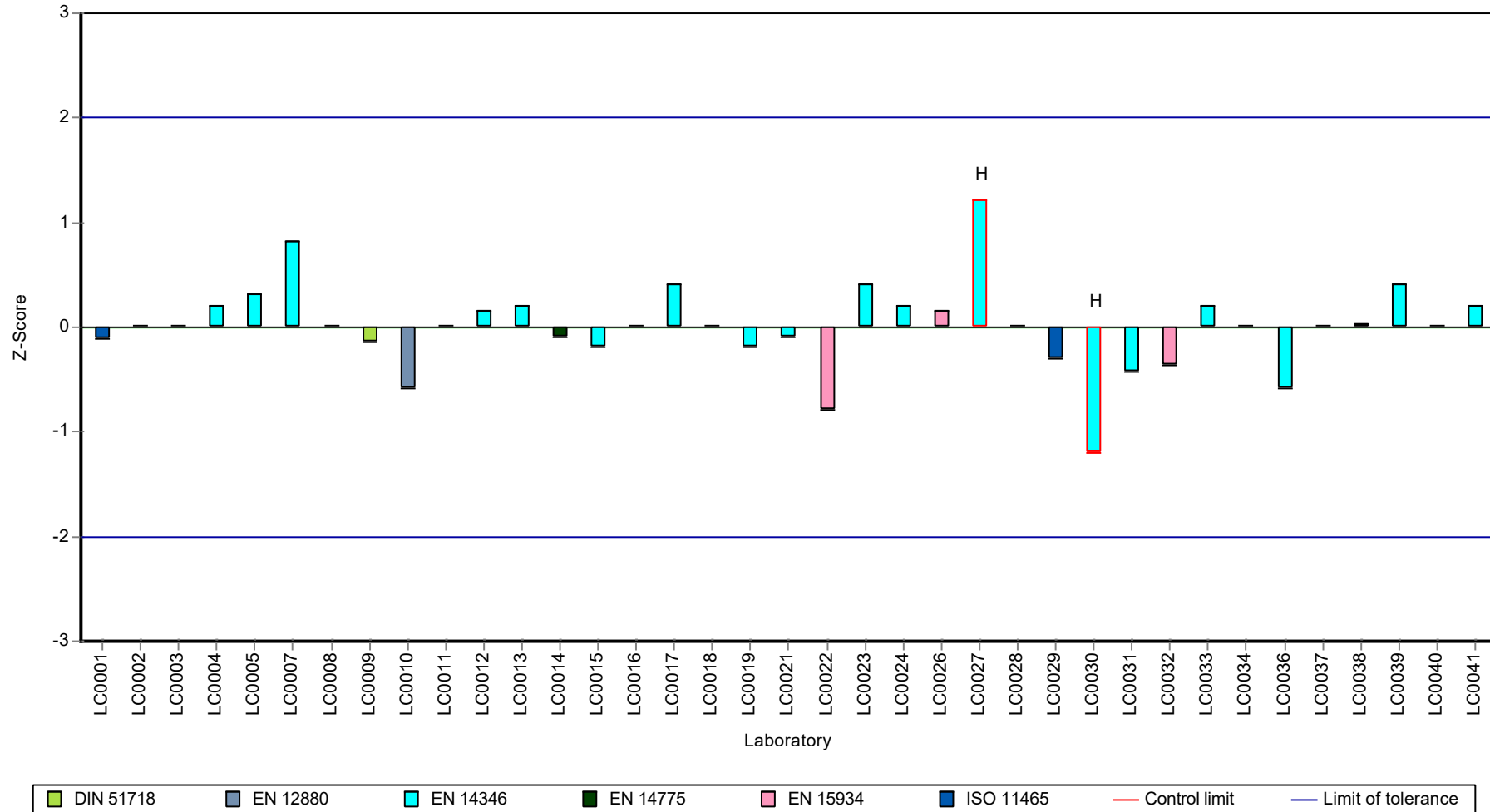
Recovery rate



Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Dry mass

Z-score



Parameter oriented report Waste acc. to landfill
directive (Austria) (total content) - AB13

Sample: AB13, Parameter: HC-Index

Parameter oriented report

AB13

HC-Index

Unit	mg/kg DM
Assigned value \pm U (k=2)	1160 \pm 157
Criterion	407 (35 %)
Minimum - Maximum	597 - 2080
Control test value \pm U (k=2)	600.0 \pm 183

Labcode	Result	\pm U	Recovery [%]	z-score	Comments
LC0001	1258	140	108	0.23	
LC0002	631.03	157.76	54.2	-1.31	
LC0003	909	263	78.1	-0.63	
LC0004	1422	498	122	0.63	
LC0005	1001.1	100	86	-0.4	
LC0006	1000	112	85.9	-0.4	
LC0007	1143	340	98.2	-0.05	
LC0008	1046	314	89.9	-0.29	
LC0009	1286	67	110	0.3	
LC0010	-	-	-	-	
LC0011	1950	345	168	1.93	
LC0012	936	27	80.4	-0.56	
LC0013	1719	260	148	1.36	
LC0014	-	-	-	-	
LC0015	1266	266	109	0.25	
LC0016	-	-	-	-	
LC0017	1190	88	102	0.06	
LC0018	-	-	-	-	
LC0019	750	150	64.4	-1.02	
LC0020	-	-	-	-	
LC0021	668.48	141.67	57.4	-1.22	
LC0022	1047.1	104.7	90	-0.29	
LC0023	-	-	-	-	
LC0024	-	-	-	-	
LC0025	-	-	-	-	
LC0026	-	-	-	-	
LC0027	597	72	51.3	-1.39	
LC0028	2000	140	172	2.05	
LC0029	1579	511.1	136	1.02	
LC0030	2084	521	179	2.26	
LC0031	-	-	-	-	
LC0032	-	-	-	-	
LC0033	-	-	-	-	
LC0034	1291	59.3	111	0.31	
LC0035	-	-	-	-	
LC0036	-	-	-	-	
LC0037	1290	260	111	0.31	
LC0038	1656	82.71	142	1.21	
LC0039	-	-	-	-	
LC0040	871	128	74.8	-0.72	

Parameter oriented report Waste acc. to landfill
directive (Austria) (total content) - AB13

Sample: AB13, Parameter: HC-Index

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0041	1920	480	165	1.86	

Characteristics of parameter

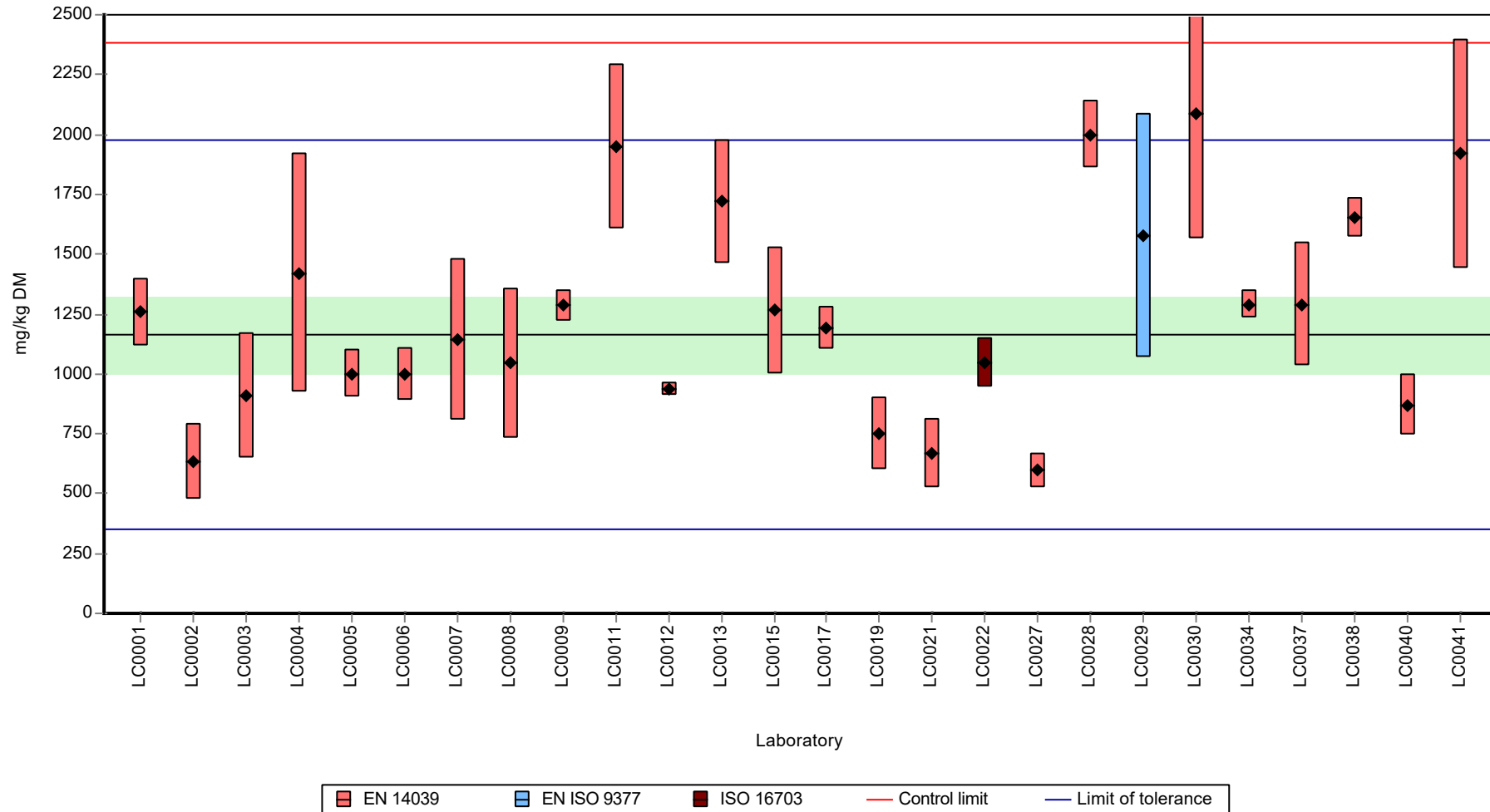
	all results	w without outliers	Unit
Mean ± CI (99%)	1250 ± 255	1250 ± 255	mg/kg DM
Minimum	597	597	mg/kg DM
Maximum	2080	2080	mg/kg DM
Standard deviation	434	434	mg/kg DM
rel. standard deviation	34.7	34.7	%
n	26	26	-

Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: HC-Index

Graphical presentation of results

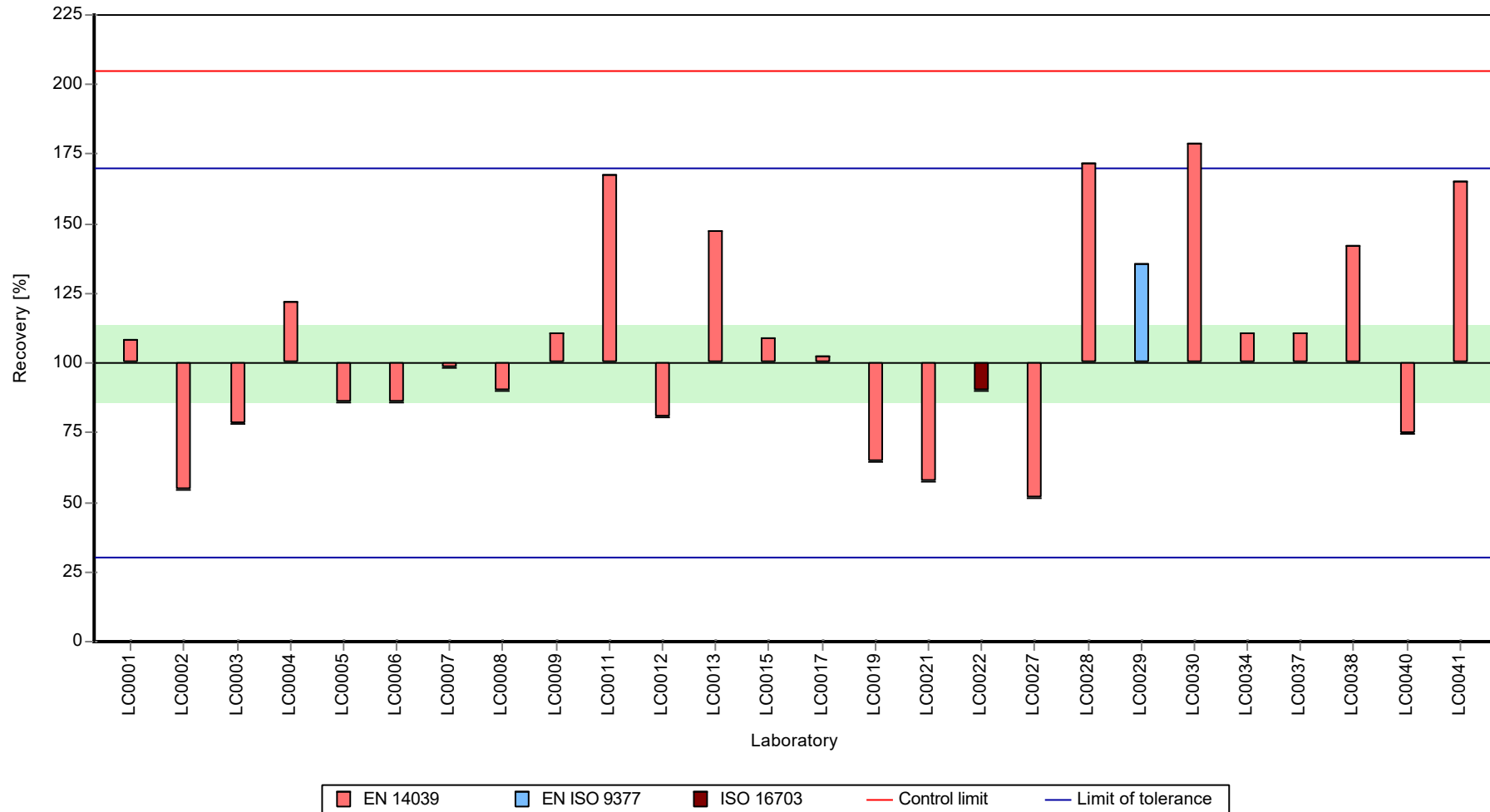
Results



Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: HC-Index

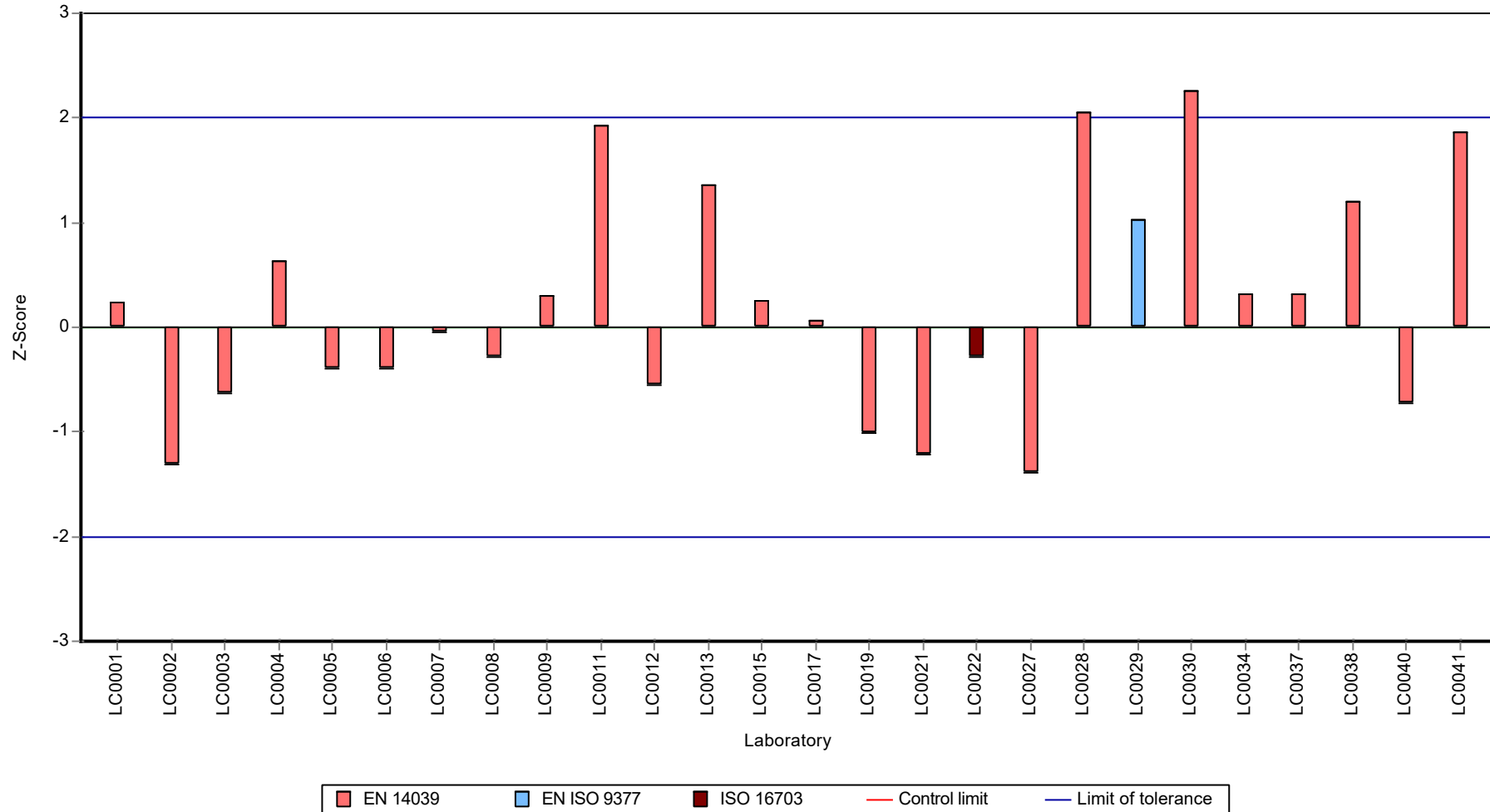
Recovery rate



Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: HC-Index

Z-score



Parameter oriented report Waste acc. to landfill
directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Lead

Parameter oriented report

AB13

Lead

Unit	mg/kg DM
Assigned value \pm U (k=2)	165 \pm 7.67
Criterion	21.5 (13 %)
Minimum - Maximum	118 - 210
Control test value \pm U (k=2)	148.0 \pm 17.7

Labcode	Result	\pm U	Recovery [%]	z-score	Comments
LC0001	188	5.9	114	1.06	
LC0002	164	41	99.3	-0.06	
LC0003	-	-	-	-	
LC0004	172	33	104	0.32	
LC0005	-	-	-	-	
LC0006	178	31	108	0.59	
LC0007	133	16	80.5	-1.5	
LC0008	171	34	103	0.27	
LC0009	178	8.81	108	0.59	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	150.1	11	90.8	-0.7	
LC0013	177	22	107	0.55	
LC0014	170.98	12.067	103	0.27	
LC0015	177.1	23.9	107	0.55	
LC0016	210	17	127	2.08	
LC0017	200	11	121	1.62	
LC0018	-	-	-	-	
LC0019	160	12.8	96.8	-0.24	
LC0020	-	-	-	-	
LC0021	172.28	11.77	104	0.33	
LC0022	175	17.5	106	0.46	
LC0023	133.6	40.1	80.9	-1.47	
LC0024	131.85	26.37	79.8	-1.55	
LC0025	207	37.3	125	1.94	
LC0026	167.6	53.6	101	0.11	
LC0027	169	34	102	0.18	
LC0028	150	10.5	90.8	-0.71	
LC0029	-	-	-	-	
LC0030	134	26.8	81.1	-1.45	
LC0031	155	23.4	93.8	-0.48	
LC0032	-	-	-	-	
LC0033	182	54.6	110	0.78	
LC0034	152	8.83	92	-0.62	
LC0035	165	2.5	99.9	-0.01	
LC0036	156.7	23.51	94.8	-0.4	
LC0037	168	34	102	0.13	
LC0038	167.2	6.711	101	0.09	
LC0039	118	35.4	71.4	-2.2	
LC0040	131	9.5	79.3	-1.59	

Parameter oriented report Waste acc. to landfill
directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Lead

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0041	188	56.4	114	1.06	

Characteristics of parameter

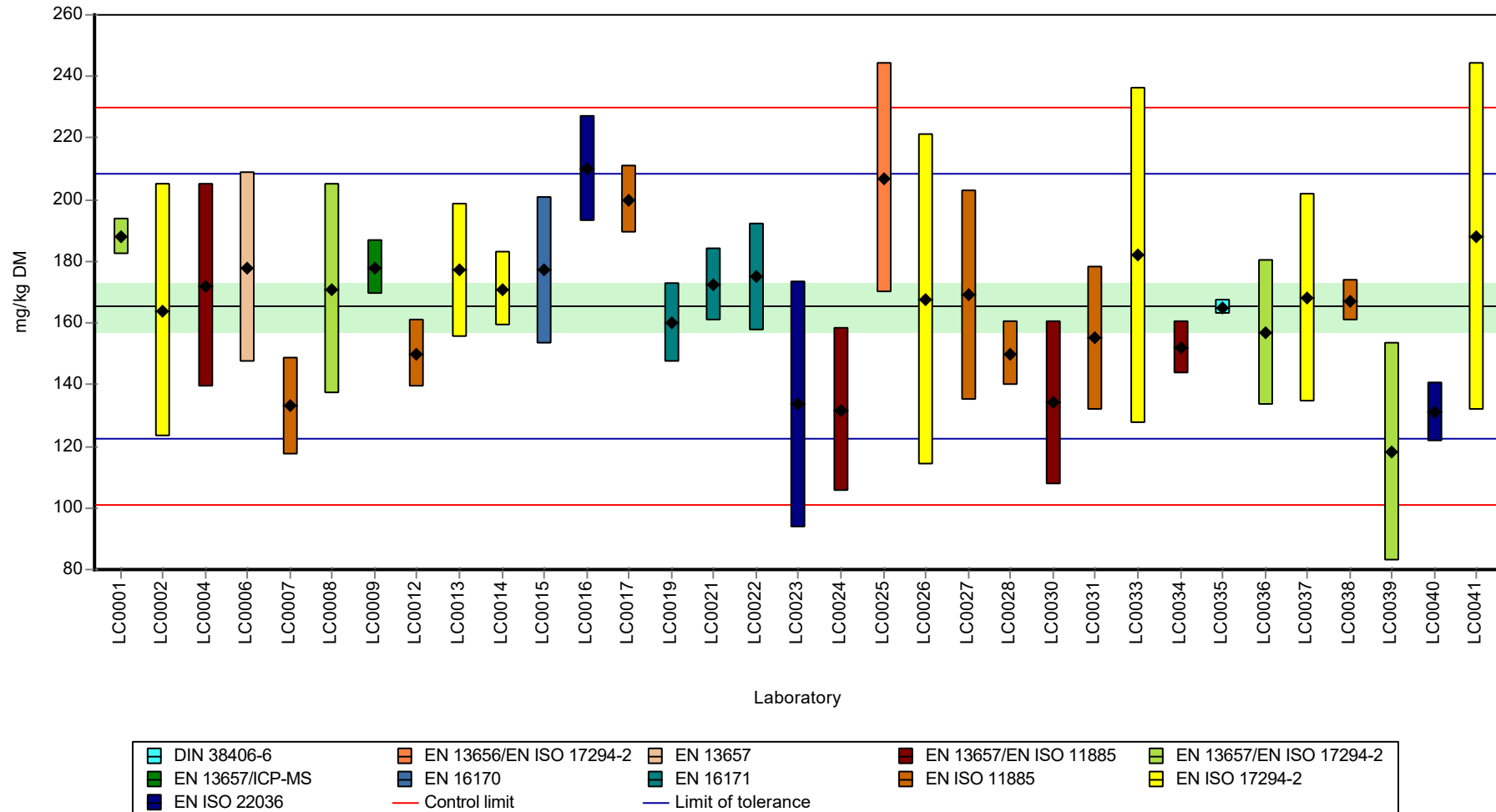
	all results	w ithout outliers	Unit
Mean ± CI (99%)	165 ± 11.5	165 ± 11.5	mg/kg DM
Minimum	118	118	mg/kg DM
Maximum	210	210	mg/kg DM
Standard deviation	22	22	mg/kg DM
rel. standard deviation	13.3	13.3	%
n	33	33	-

Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Lead

Graphical presentation of results

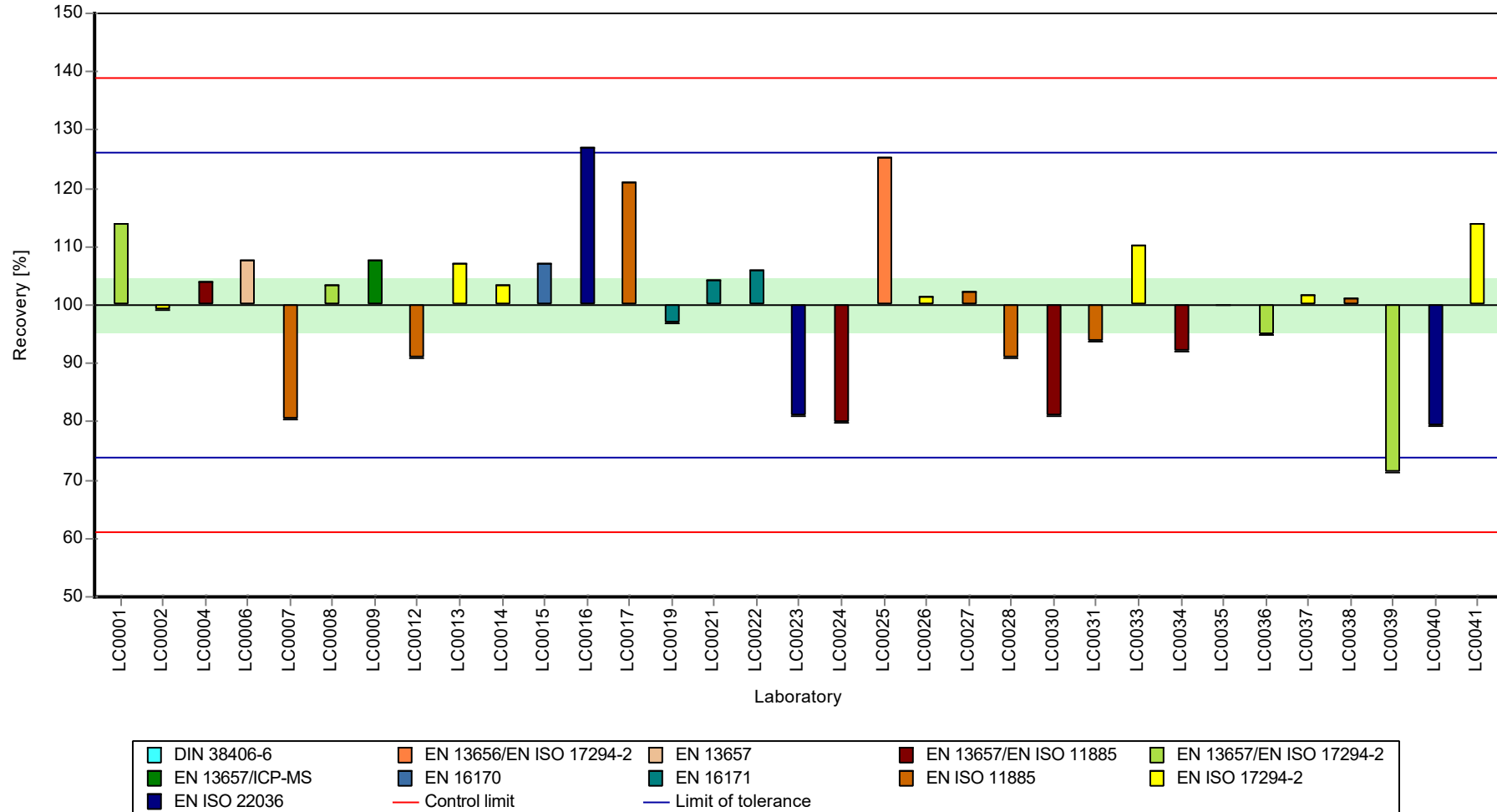
Results



Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Lead

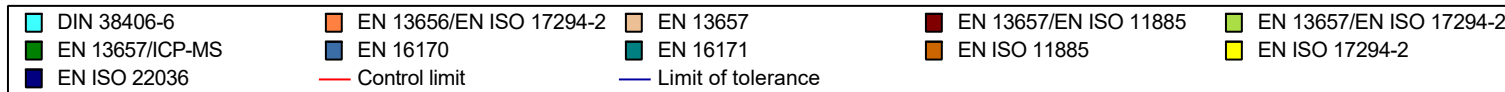
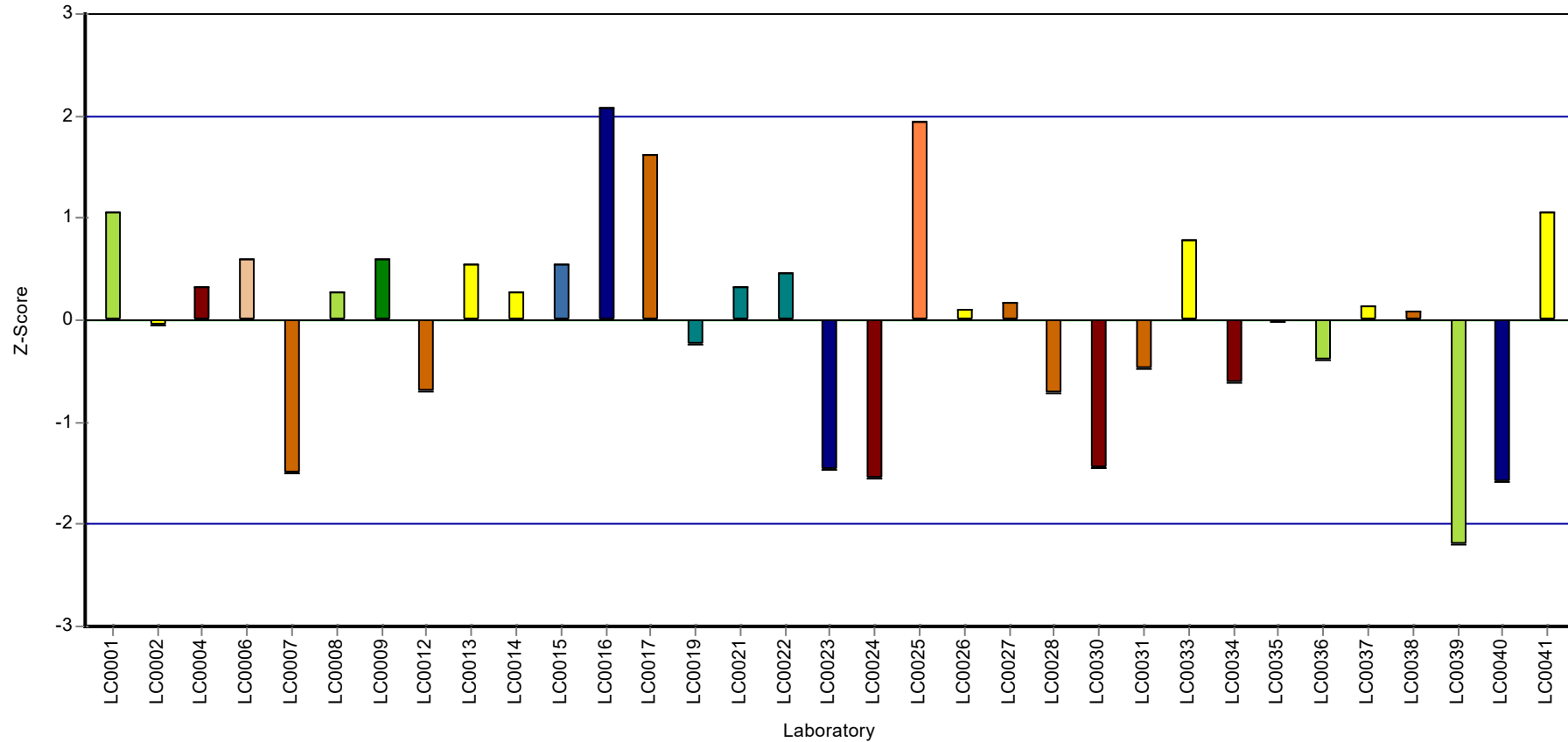
Recovery rate



Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Lead

Z-score



Parameter oriented report Waste acc. to landfill
directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Mercury

Parameter oriented report

AB13

Mercury*

Unit	mg/kg DM
Assigned value \pm U (k=2)	-
Criterion	-
Minimum - Maximum	0.0046 - 0.089
Control test value \pm U (k=2)	0.0100 \pm 0.00219

*the calculated mean value MV \pm U(k=2) based on the data of the accredited laboratories (n) is listed for information.

This can be used for comparison as part of your internal QA measures:
MV(n=11 accr. CVAAS/AFS) \pm U(k=2): 0.0249 \pm 0.00863 mg/kg dm

Labcode	Result	\pm U	Recovery [%]	z-score	Comments
LC0001	0.0174	0.001	-	-	
LC0002	0.049	0.01	-	-	
LC0003	-	-	-	-	
LC0004	0.023	0.009	-	-	
LC0005	-	-	-	-	
LC0006	< 0.1 (LOQ)	-	-	-	
LC0007	< 0.03 (LOQ)	-	-	-	
LC0008	0.0046	0.0014	-	-	
LC0009	< 0.025 (LOQ)	-	-	-	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	0.01	0.002	-	-	
LC0013	< 0.066 (LOQ)	-	-	-	
LC0014	0.0153	0.001	-	-	
LC0015	0.036	0.006	-	-	
LC0016	< 0.1 (LOQ)	-	-	-	
LC0017	0.089	0.0069	-	-	
LC0018	-	-	-	-	
LC0019	0.068	0.0102	-	-	
LC0020	-	-	-	-	
LC0021	0.041	0.0082	-	-	
LC0022	< 0.05 (LOQ)	-	-	-	
LC0023	< 0.1 (LOQ)	-	-	-	
LC0024	0.01	0.002	-	-	
LC0025	0.012	0.002	-	-	
LC0026	-	-	-	-	
LC0027	0.0293	0.0059	-	-	
LC0028	< 0.1 (LOQ)	-	-	-	
LC0029	-	-	-	-	
LC0030	< 0.05 (LOQ)	-	-	-	
LC0031	0.0356	0.0072	-	-	
LC0032	-	-	-	-	
LC0033	0.052	0.016	-	-	
LC0034	0.022	0.00095	-	-	
LC0035	< 0.2 (LOQ)	-	-	-	
LC0036	< 0.03 (LOQ)	-	-	-	
LC0037	0.0155	0.0031	-	-	
LC0038	<0.1794 (LOD)	-	-	-	
LC0039	0.235	0.047	-	-	H
LC0040	< 0.05 (LOQ)	-	-	-	

Parameter oriented report Waste acc. to landfill
directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Mercury

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0041	< 0.1 (LOQ)	-	-	-	

Characteristics of parameter

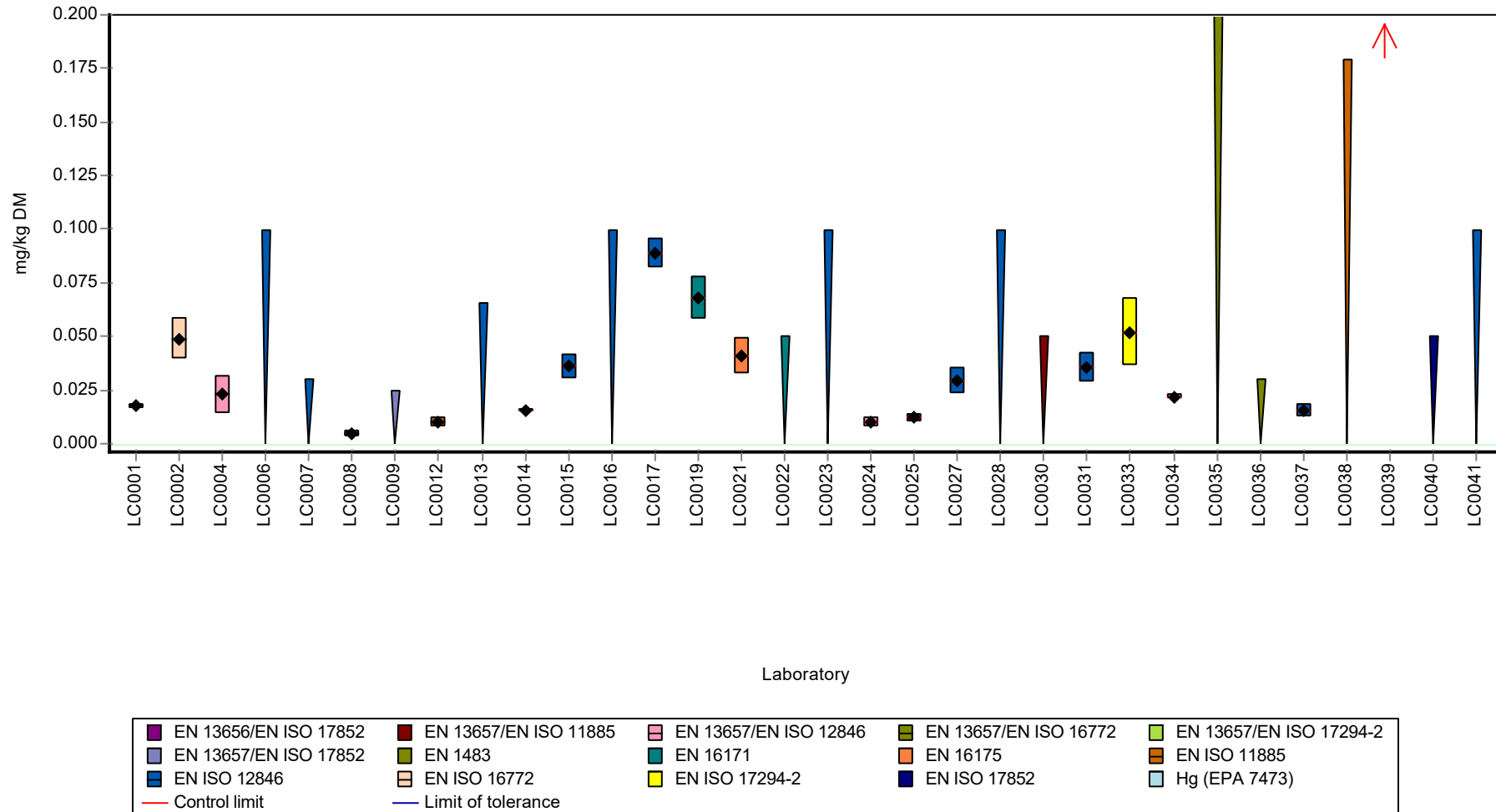
	all results	w ithout outliers	Unit
Mean ± CI (99%)	0.0425 ± 0.0374	0.0312 ± 0.0167	mg/kg DM
Minimum	0.0046	0.0046	mg/kg DM
Maximum	0.235	0.089	mg/kg DM
Standard deviation	0.0529	0.0229	mg/kg DM
rel. standard deviation	125	74	%
n	18	17	-

Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Mercury

Graphical presentation of results

Results



Parameter oriented report Waste acc. to landfill
directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Molybdenum

Parameter oriented report

AB13

Molybdenum

Unit	mg/kg DM
Assigned value \pm U (k=2)	159 \pm 5.99
Criterion	15.9 (10 %)
Minimum - Maximum	133 - 193
Control test value \pm U (k=2)	150.0 \pm 24

Labcode	Result	\pm U	Recovery [%]	z-score	Comments
LC0001	178	8.6	112	1.19	
LC0002	164	74	103	0.31	
LC0003	-	-	-	-	
LC0004	193	19.5	121	2.13	
LC0005	-	-	-	-	
LC0006	177	27	111	1.12	
LC0007	-	-	-	-	
LC0008	184	36.8	116	1.56	
LC0009	233	11.9	146	4.64	H
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	139	3.1	87.4	-1.26	
LC0013	165	20	104	0.37	
LC0014	150.98	4.38	94.9	-0.51	
LC0015	158.6	30.1	99.7	-0.03	
LC0016	-	-	-	-	
LC0017	159	11	99.9	-0.01	
LC0018	-	-	-	-	
LC0019	156	12.5	98	-0.2	
LC0020	-	-	-	-	
LC0021	160.05	16.01	101	0.06	
LC0022	156	15.6	98	-0.2	
LC0023	151.7	45.5	95.3	-0.47	
LC0024	2.14	0.2996	1.3	-9.87	H
LC0025	171	30.8	107	0.75	
LC0026	-	-	-	-	
LC0027	148	30	93	-0.7	
LC0028	140	6.3	88	-1.2	
LC0029	-	-	-	-	
LC0030	133	26.6	83.6	-1.64	
LC0031	138	18.2	86.7	-1.33	
LC0032	-	-	-	-	
LC0033	163	48.9	102	0.24	
LC0034	-	-	-	-	
LC0035	-	-	-	-	
LC0036	149.1	14.91	93.7	-0.63	
LC0037	167	33	105	0.5	
LC0038	174	9.582	109	0.94	
LC0039	-	-	-	-	
LC0040	146.5	11.5	92.1	-0.79	

Parameter oriented report Waste acc. to landfill
directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Molybdenum

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0041	156	39	98	-0.2	

Characteristics of parameter

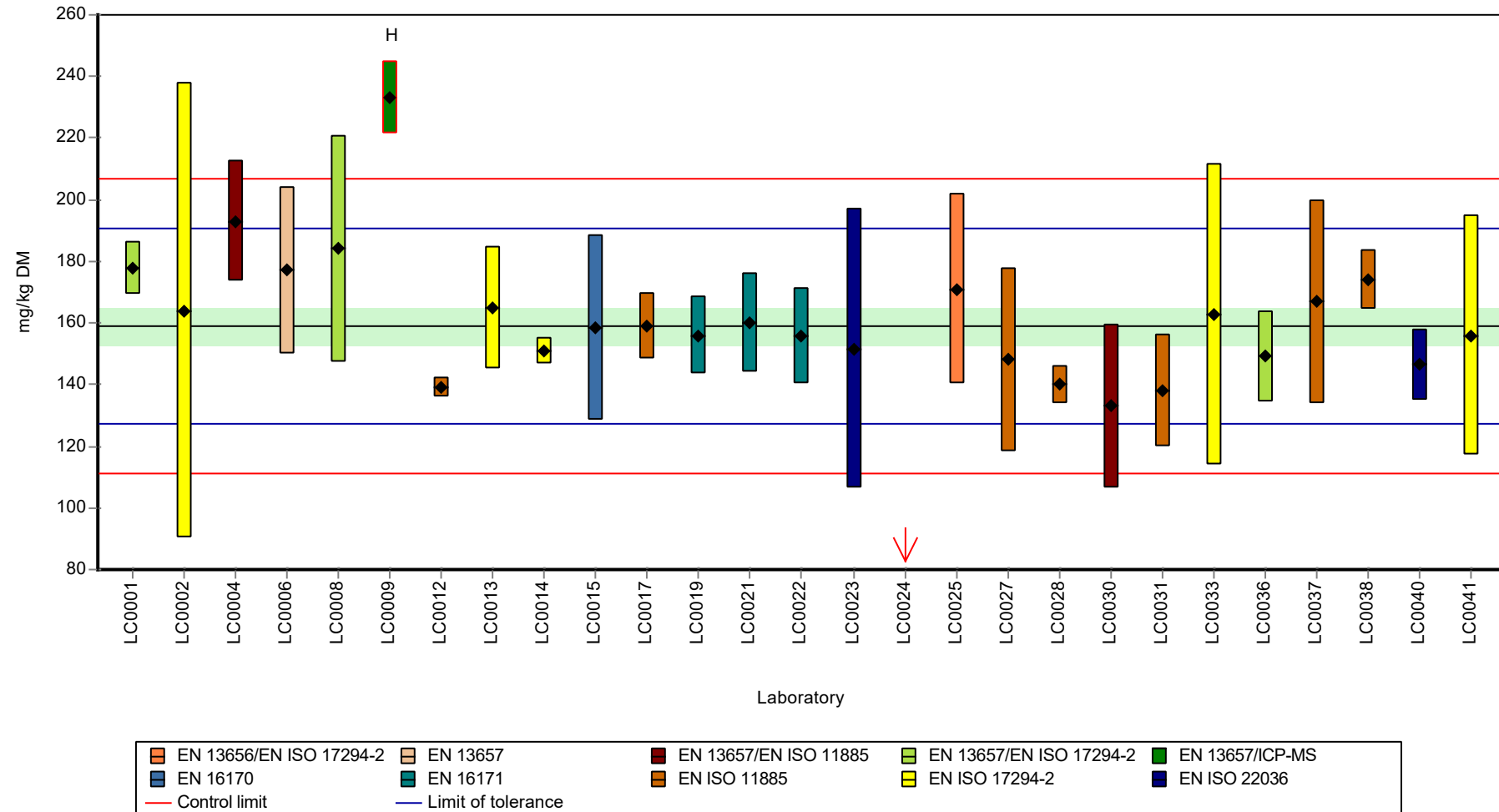
	all results	w without outliers	Unit
Mean ± CI (99%)	156 ± 21.2	159 ± 8.98	mg/kg DM
Minimum	2.14	133	mg/kg DM
Maximum	233	193	mg/kg DM
Standard deviation	36.8	15	mg/kg DM
rel. standard deviation	23.6	9.41	%
n	27	25	-

Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Molybdenum

Graphical presentation of results

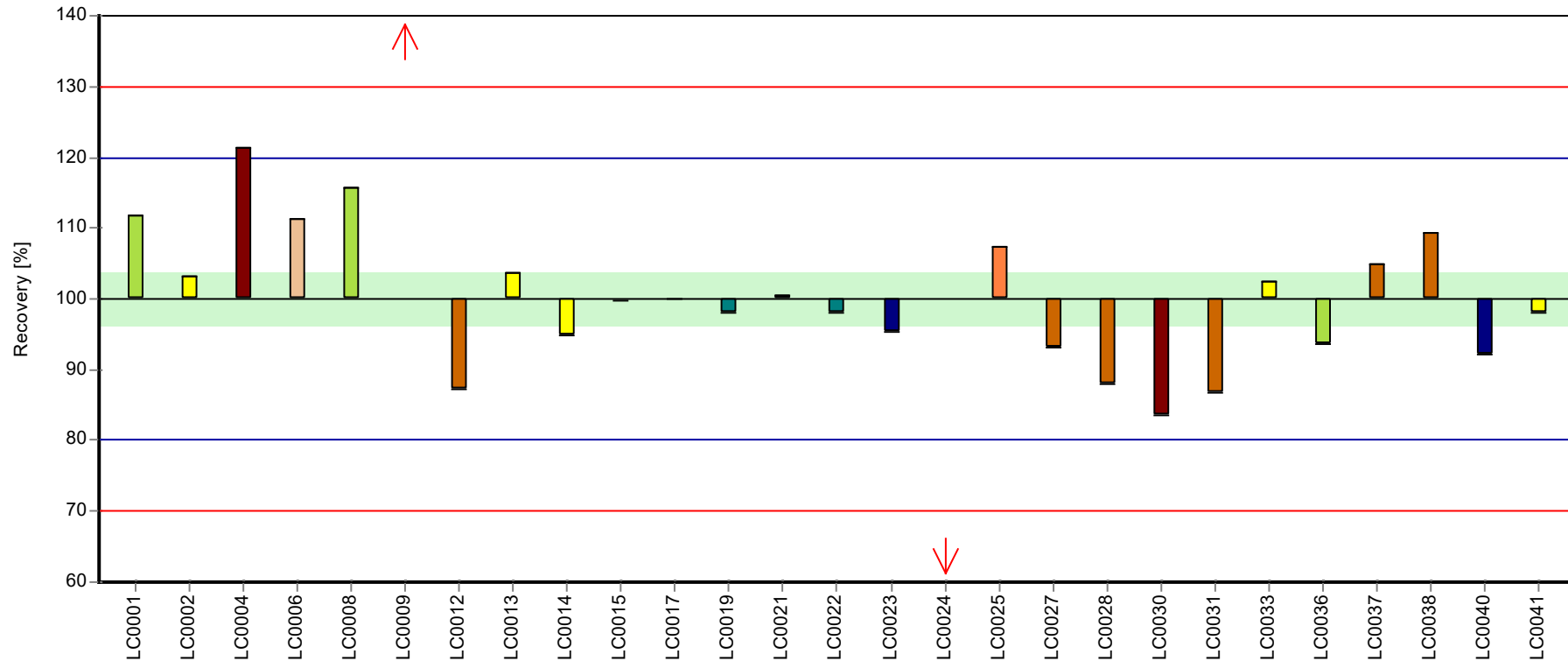
Results



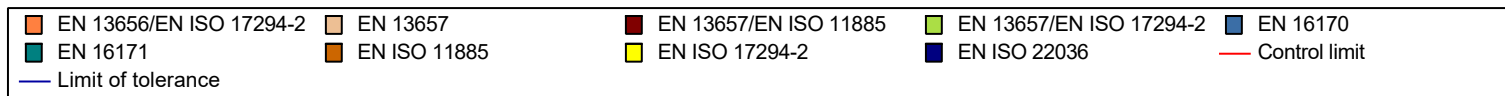
Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Molybdenum

Recovery rate



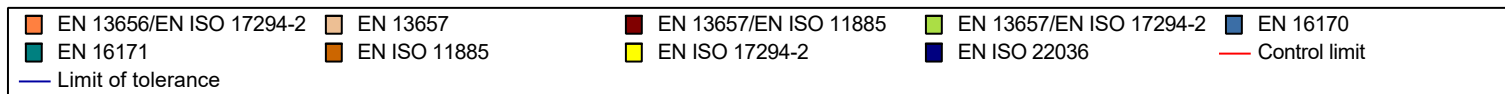
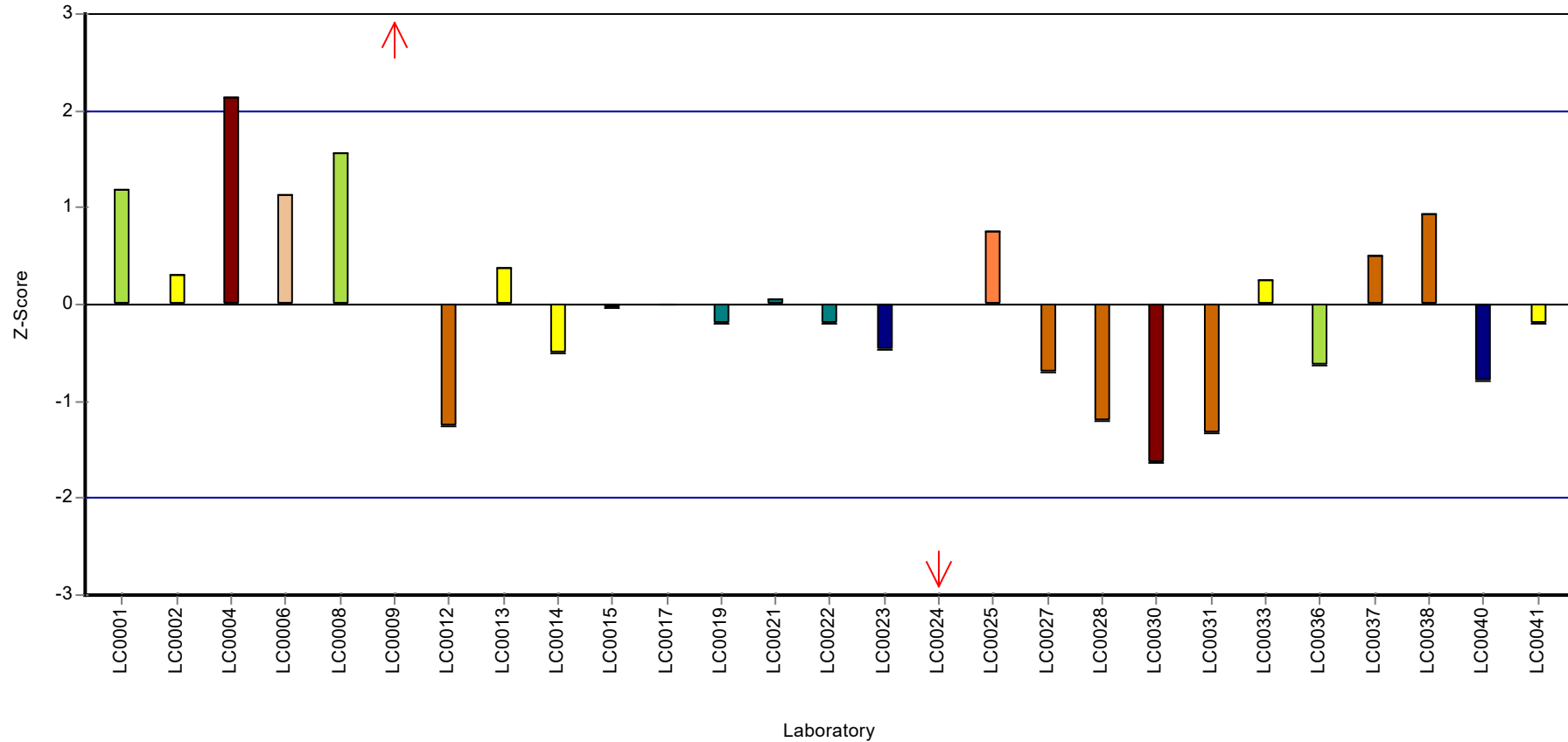
Laboratory



Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Molybdenum

Z-score



Parameter oriented report Waste acc. to landfill
directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Nickel

Parameter oriented report

AB13

Nickel

Unit	mg/kg DM
Assigned value \pm U (k=2)	490 \pm 15.7
Criterion	49 (10 %)
Minimum - Maximum	396 - 566
Control test value \pm U (k=2)	477.0 \pm 119

Labcode	Result	\pm U	Recovery [%]	z-score	Comments
LC0001	531	22	108	0.84	
LC0002	488	146	99.7	-0.03	
LC0003	-	-	-	-	
LC0004	474	171	96.8	-0.32	
LC0005	-	-	-	-	
LC0006	566	169	116	1.56	
LC0007	479	57	97.8	-0.22	
LC0008	508	102	104	0.37	
LC0009	478	15.6	97.6	-0.24	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	475	6.2	97	-0.3	
LC0013	463	70	94.6	-0.54	
LC0014	458.69	13.234	93.7	-0.63	
LC0015	443	46.5	90.5	-0.95	
LC0016	334	19	68.2	-3.18	H
LC0017	487	27	99.5	-0.05	
LC0018	-	-	-	-	
LC0019	483	38.6	98.6	-0.14	
LC0020	-	-	-	-	
LC0021	502.78	49.52	103	0.27	
LC0022	553	55.3	113	1.29	
LC0023	395.7	118.7	80.8	-1.92	
LC0024	443.98	88.796	90.7	-0.93	
LC0025	543	97.7	111	1.09	
LC0026	513.8	169	105	0.49	
LC0027	489	98	99.9	-0.01	
LC0028	410	43.05	83.7	-1.63	
LC0029	-	-	-	-	
LC0030	405	81	82.7	-1.73	
LC0031	541	66.4	110	1.05	
LC0032	-	-	-	-	
LC0033	501	150	102	0.23	
LC0034	540	9.19	110	1.03	
LC0035	654.1	5	134	3.36	H
LC0036	508.3	50.83	104	0.38	
LC0037	488	98	99.7	-0.03	
LC0038	538.9	49	110	1.01	
LC0039	544	163.2	111	1.11	
LC0040	454	34	92.7	-0.73	

Parameter oriented report Waste acc. to landfill
directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Nickel

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0041	474	142.2	96.8	-0.32	

Characteristics of parameter

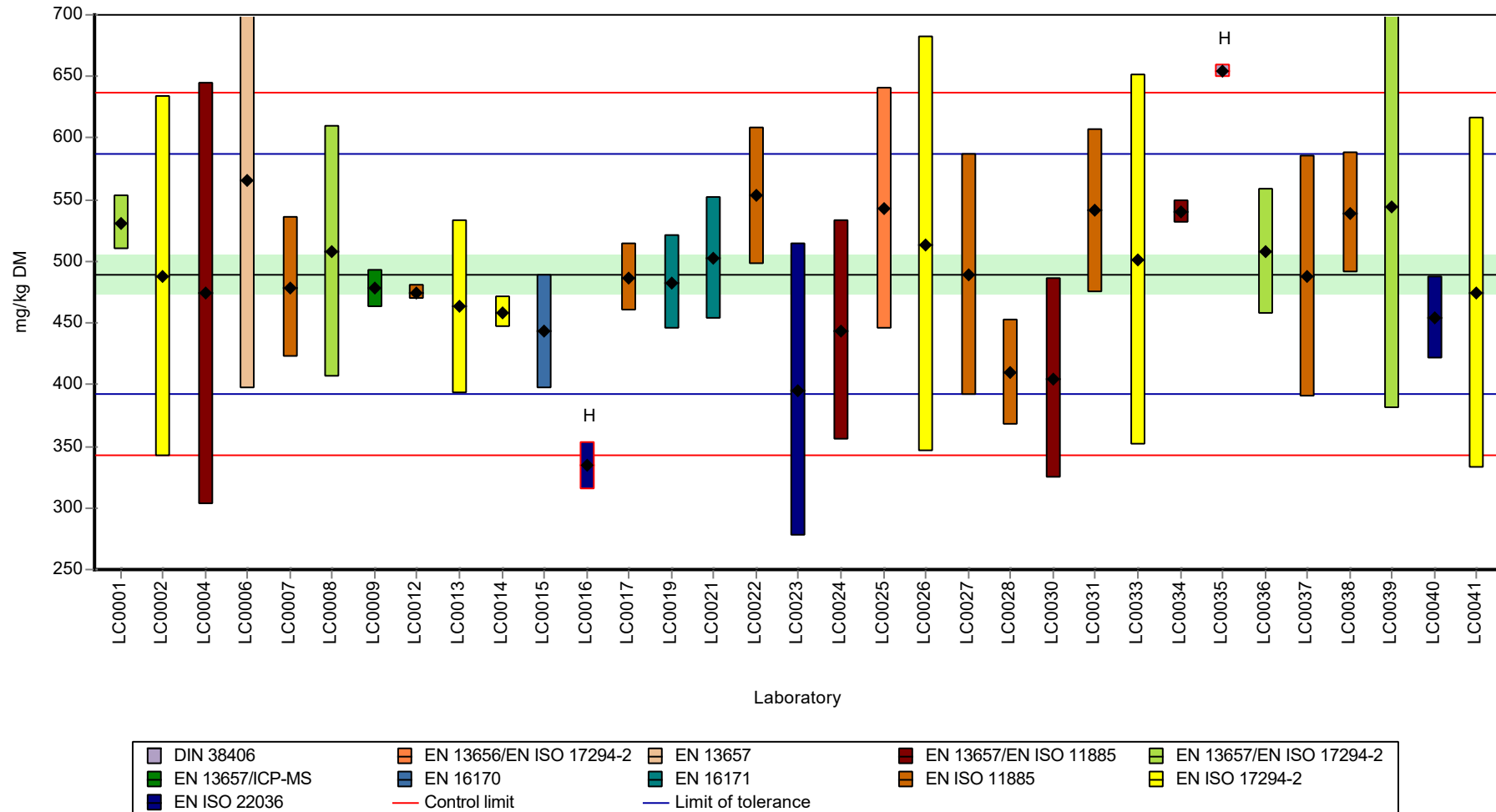
	all results	w ithout outliers	Unit
Mean ± CI (99%)	490 ± 30.4	490 ± 23.5	mg/kg DM
Minimum	334	396	mg/kg DM
Maximum	654	566	mg/kg DM
Standard deviation	58.2	43.6	mg/kg DM
rel. standard deviation	11.9	8.91	%
n	33	31	-

Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Nickel

Graphical presentation of results

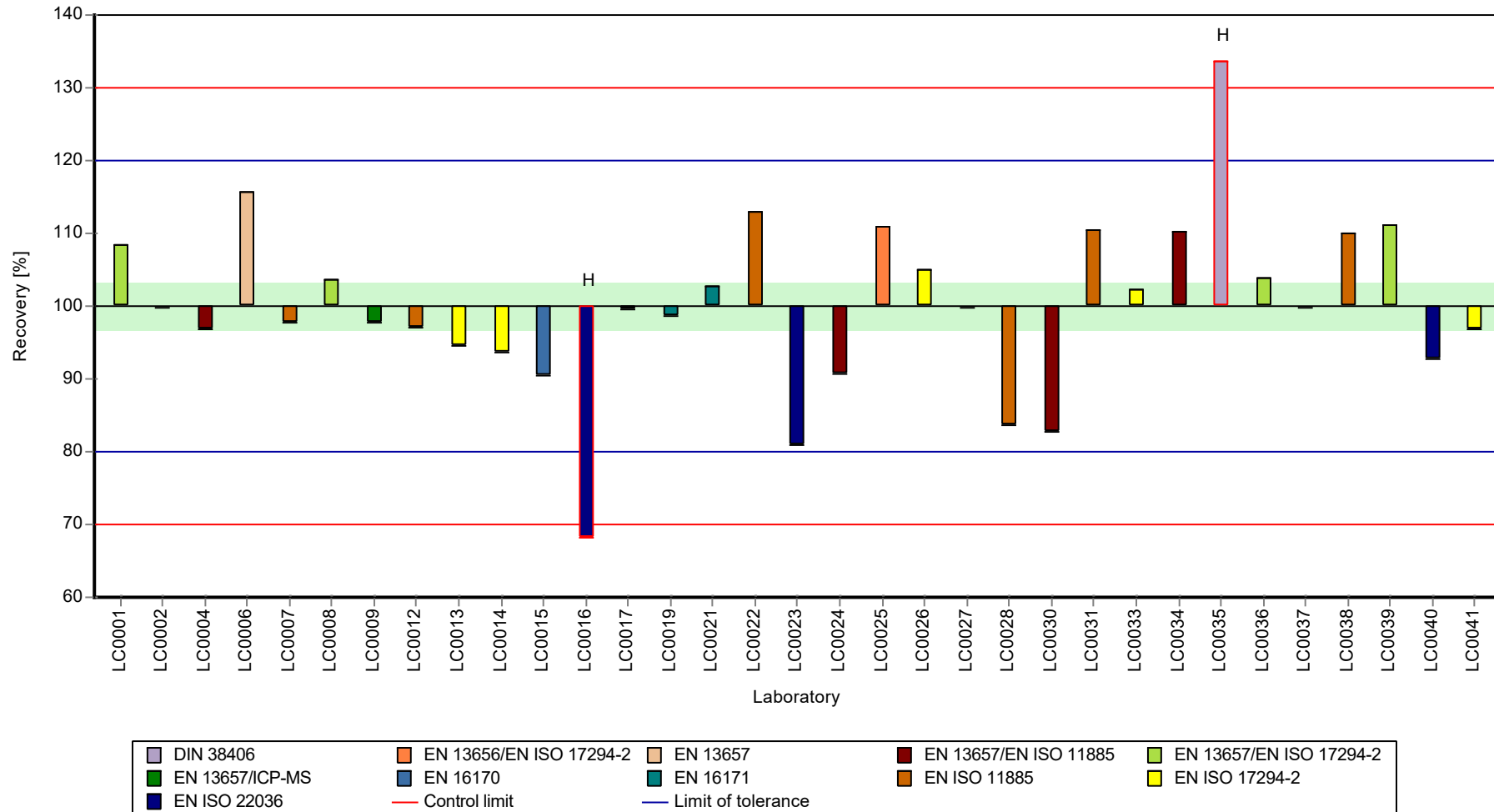
Results



Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Nickel

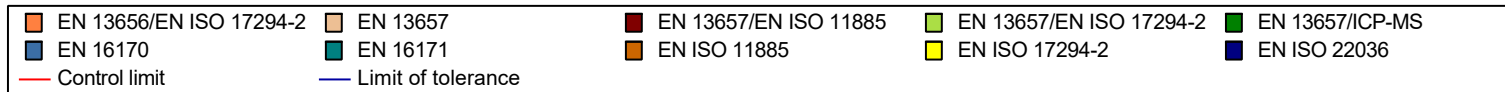
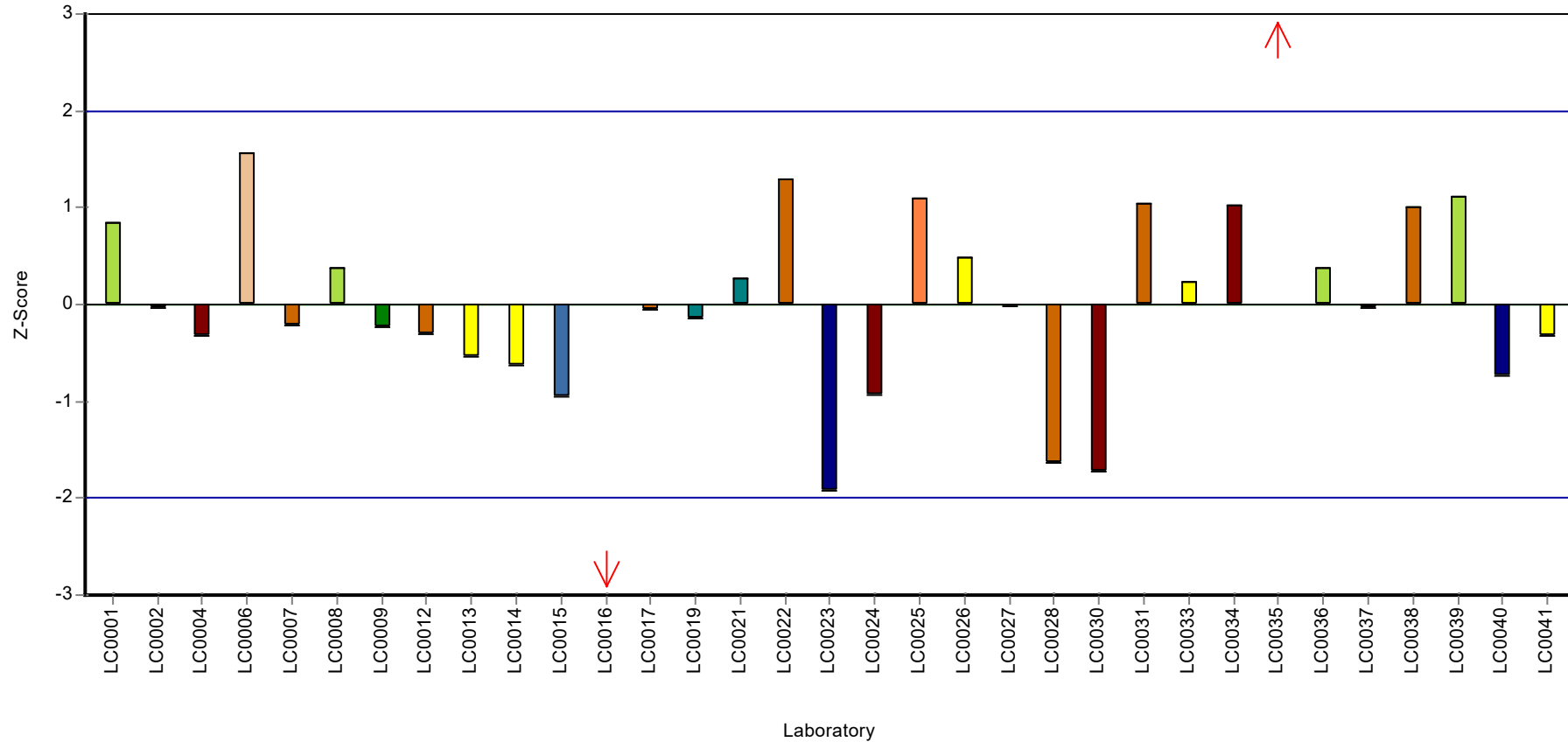
Recovery rate



Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Nickel

Z-score



Parameter oriented report Waste acc. to landfill
directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Selenium

Parameter oriented report

AB13

Selenium

Unit mg/kg DM
Assigned value \pm U (k=2) 1.25 \pm 0.248
Criterion 0.414 (33 %)
Minimum - Maximum 0.82 - 2.37
Control test value \pm U (k=2) -

Labcode	Result	\pm U	Recovery [%]	z-score	Comments
LC0001	1.32	0.04	105	0.16	
LC0002	1.04	0.31	82.9	-0.52	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	5	1	399	9.05	H
LC0007	-	-	-	-	
LC0008	1.37	0.55	109	0.28	
LC0009	1.67	0.66	133	1.01	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	0.82	0.05	65.4	-1.05	
LC0013	< 2 (LOQ)	-	-	-	
LC0014	1.853	0.21	148	1.45	
LC0015	2.37	0.18	189	2.7	
LC0016	-	-	-	-	
LC0017	< 0.6 (LOQ)	-	-	-	
LC0018	-	-	-	-	
LC0019	< 5.3 (LOQ)	-	-	-	
LC0020	-	-	-	-	
LC0021	1.13	0.255	90.1	-0.3	
LC0022	-	-	-	-	
LC0023	< 2 (LOQ)	-	-	-	
LC0024	< 0.005 (LOQ)	-	-	-	
LC0025	1.4	0.252	112	0.35	
LC0026	1.17	0.83	93.3	-0.2	
LC0027	< 2.5 (LOQ)	-	-	-	
LC0028	< 3 (LOQ)	-	-	-	
LC0029	-	-	-	-	
LC0030	14	2.8	1120	30.8	H
LC0031	< 2 (LOQ)	-	-	-	
LC0032	-	-	-	-	
LC0033	0.924	0.277	73.7	-0.8	
LC0034	-	-	-	-	
LC0035	-	-	-	-	
LC0036	1.1	0.11	87.7	-0.37	
LC0037	< 1 (LOQ)	-	-	-	
LC0038	<0.277 (LOD)	-	-	-	
LC0039	-	-	-	-	
LC0040	< 5 (LOQ)	-	-	-	

Parameter oriented report Waste acc. to landfill
directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Selenium

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0041	1.15	0.23	91.7	-0.25	

Characteristics of parameter

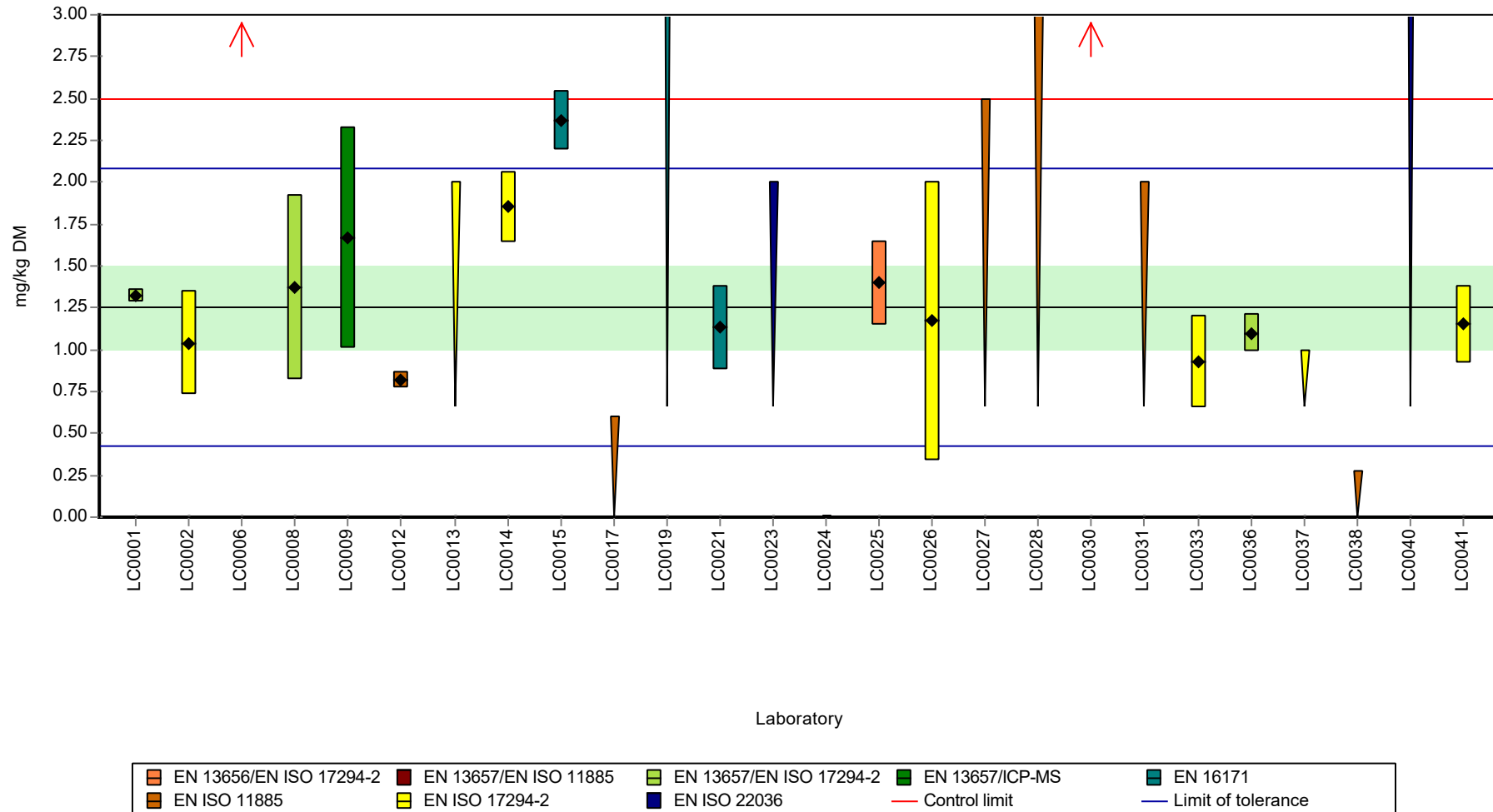
	all results	w without outliers	Unit
Mean ± CI (99%)	2.42 ± 2.6	1.33 ± 0.351	mg/kg DM
Minimum	0.82	0.82	mg/kg DM
Maximum	14	2.37	mg/kg DM
Standard deviation	3.36	0.422	mg/kg DM
rel. standard deviation	139	31.7	%
n	15	13	-

Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Selenium

Graphical presentation of results

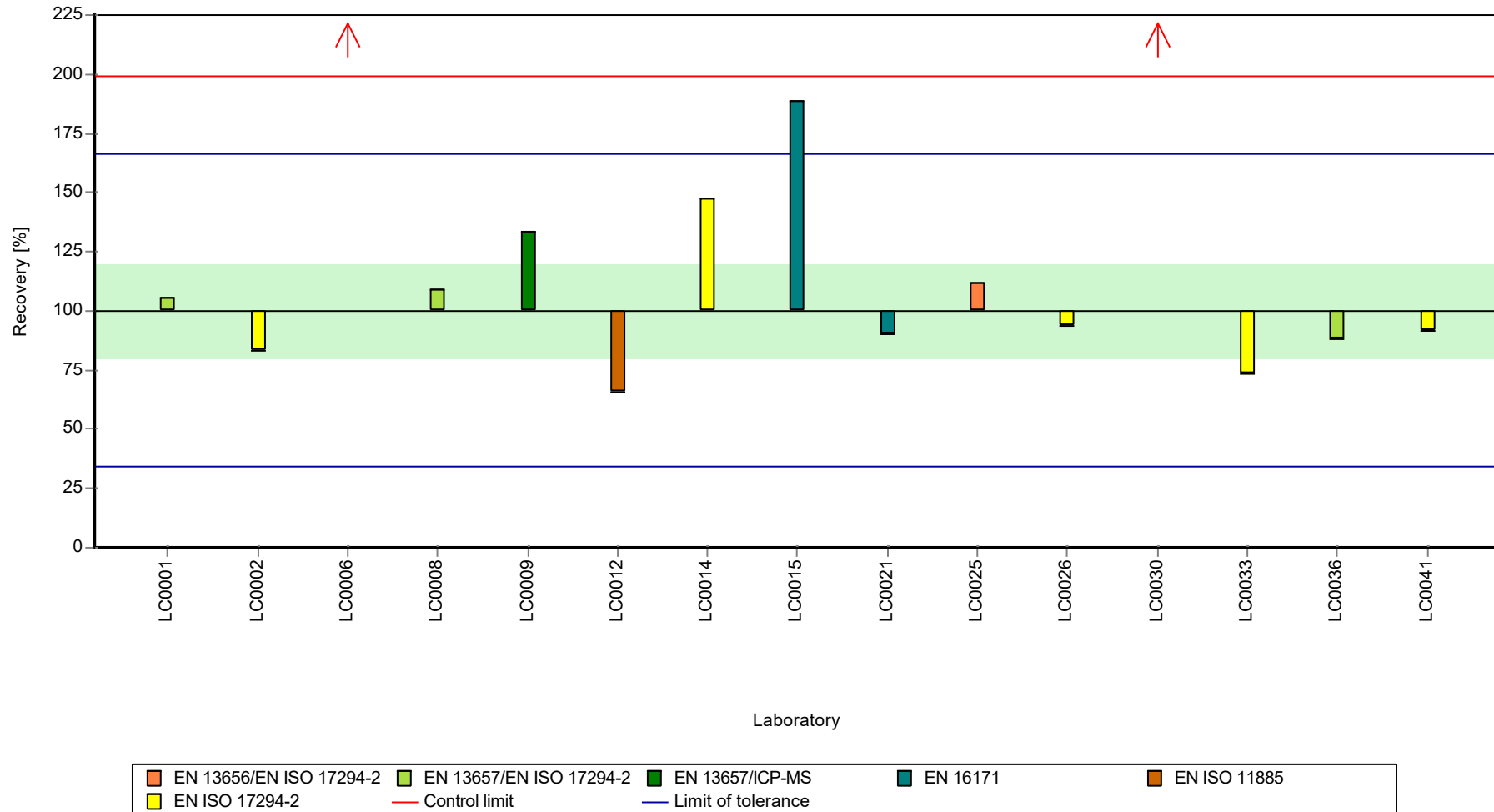
Results



Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Selenium

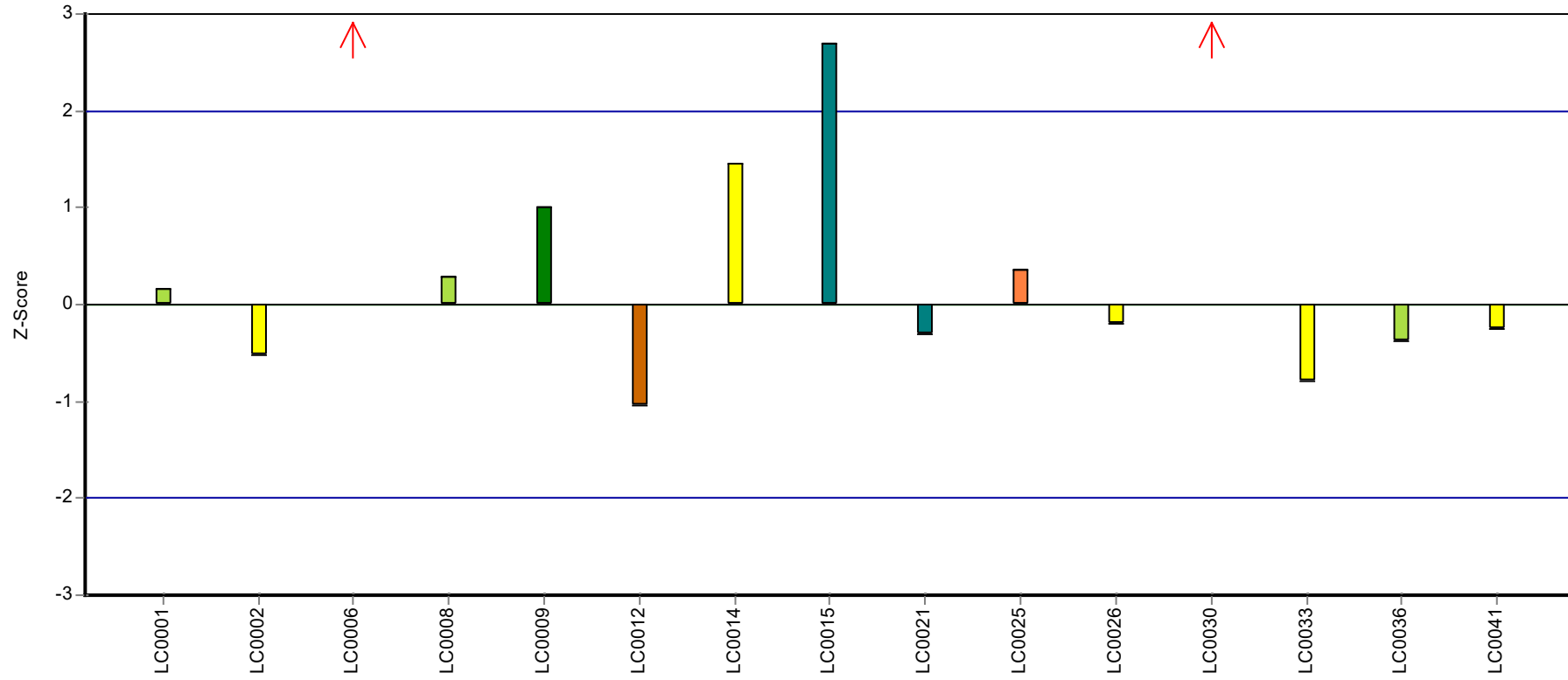
Recovery rate



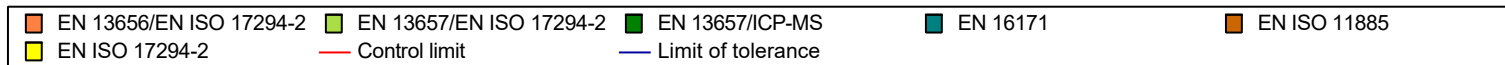
Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Selenium

Z-score



Laboratory



Parameter oriented report Waste acc. to landfill
directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Silver

Parameter oriented report

AB13

Silver

Unit	mg/kg DM
Assigned value \pm U (k=2)	5.48 \pm 0.345
Criterion	0.877 (16 %)
Minimum - Maximum	3.78 - 7.43
Control test value \pm U (k=2)	5.15 \pm 1.03

Labcode	Result	\pm U	Recovery [%]	z-score	Comments
LC0001	5.69	0.26	104	0.24	
LC0002	5.67	1.7	103	0.21	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	4.8	1	87.5	-0.78	
LC0007	-	-	-	-	
LC0008	3.78	1.13	68.9	-1.94	
LC0009	5.52	0.69	101	0.04	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	5.37	0.15	97.9	-0.13	
LC0013	< 5 (LOQ)	-	-	-	
LC0014	5.396	0.217	98.4	-0.1	
LC0015	5.23	0.97	95.4	-0.29	
LC0016	-	-	-	-	
LC0017	7.43	0.4	135	2.22	
LC0018	-	-	-	-	
LC0019	4.84	0.532	88.3	-0.73	
LC0020	-	-	-	-	
LC0021	6.2	0.62	113	0.82	
LC0022	5.77	0.577	105	0.33	
LC0023	5.73	1.72	104	0.28	
LC0024	5.5	1.1	100	0.02	
LC0025	6.97	1.25	127	1.69	
LC0026	5.45	1.68	99.4	-0.04	
LC0027	< 2.5 (LOQ)	-	-	-	FN
LC0028	6	0.42	109	0.59	
LC0029	-	-	-	-	
LC0030	4.59	0.918	83.7	-1.02	
LC0031	4.25	0.61	77.5	-1.41	
LC0032	-	-	-	-	
LC0033	5.77	1.73	105	0.33	
LC0034	-	-	-	-	
LC0035	-	-	-	-	
LC0036	5.499	0.55	100	0.02	
LC0037	6.55	1.31	119	1.22	
LC0038	3.827	0.38	69.8	-1.89	
LC0039	-	-	-	-	
LC0040	6.2	0.93	113	0.82	

Parameter oriented report Waste acc. to landfill
directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Silver

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0041	5.06	1.518	92.3	-0.48	

Characteristics of parameter

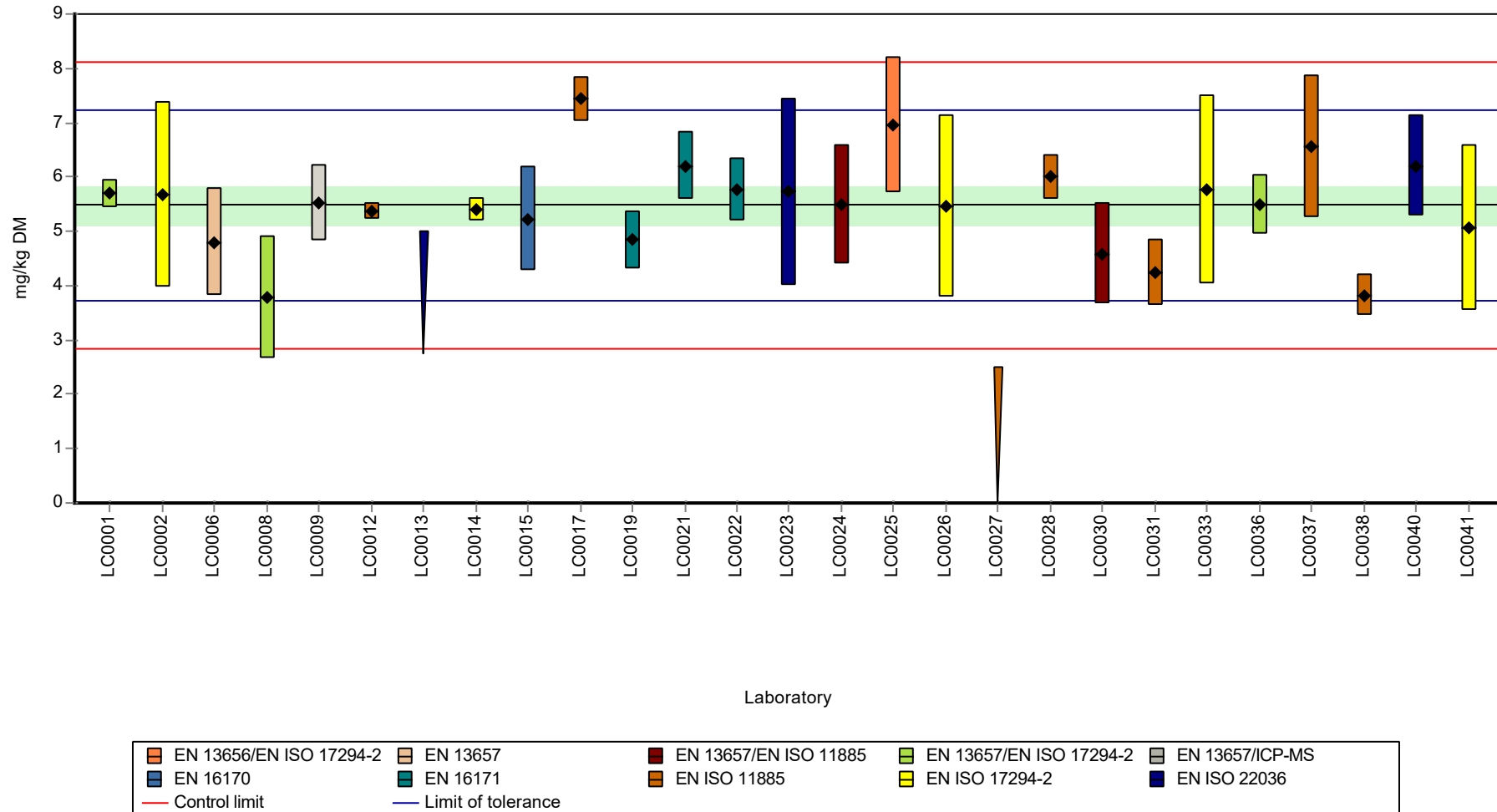
	all results	w without outliers	Unit
Mean ± CI (99%)	5.48 ± 0.517	5.48 ± 0.517	mg/kg DM
Minimum	3.78	3.78	mg/kg DM
Maximum	7.43	7.43	mg/kg DM
Standard deviation	0.862	0.862	mg/kg DM
rel. standard deviation	15.7	15.7	%
n	25	25	-

Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Silver

Graphical presentation of results

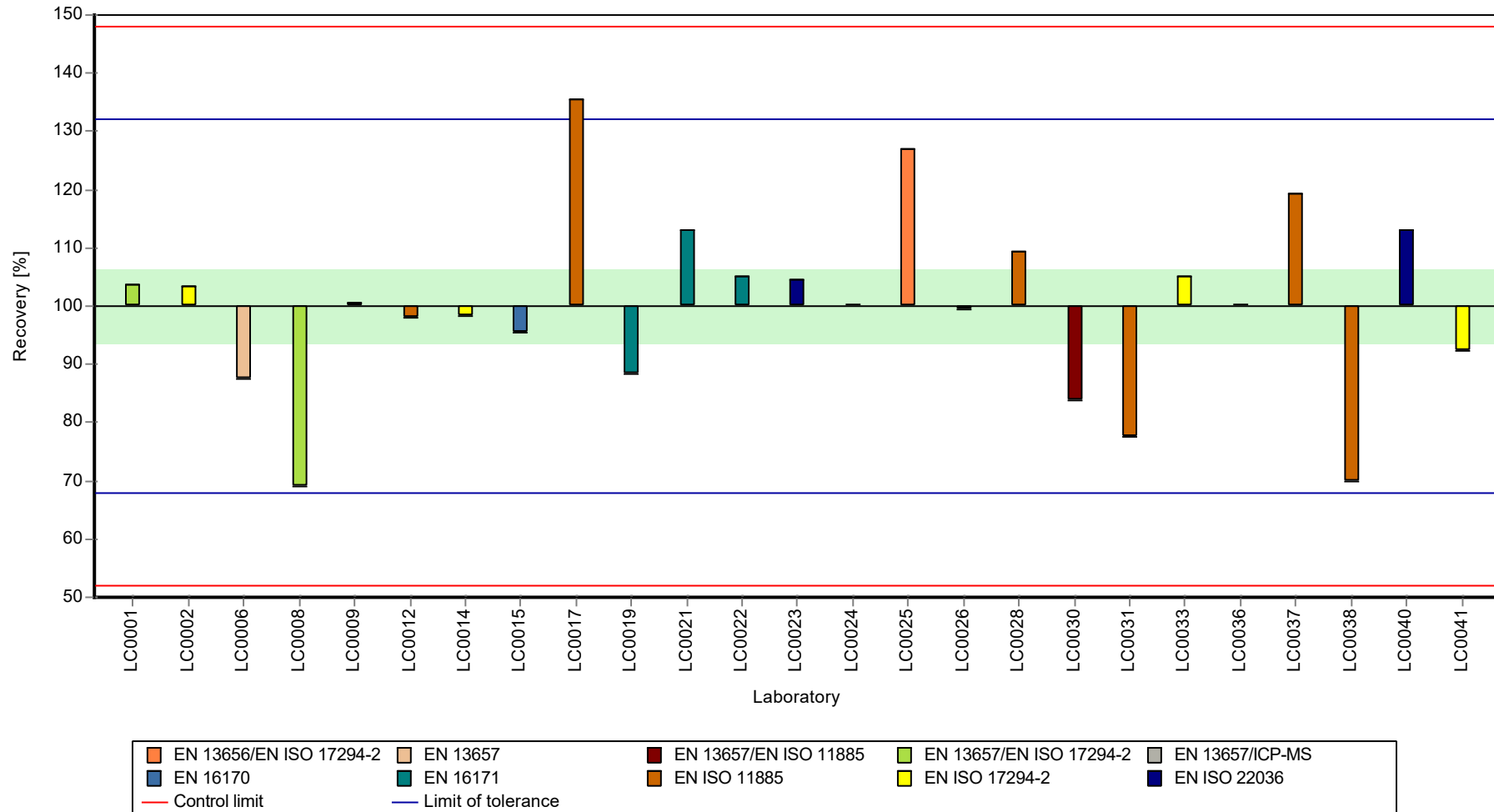
Results



Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Silver

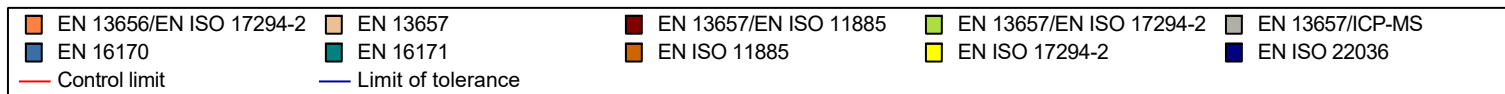
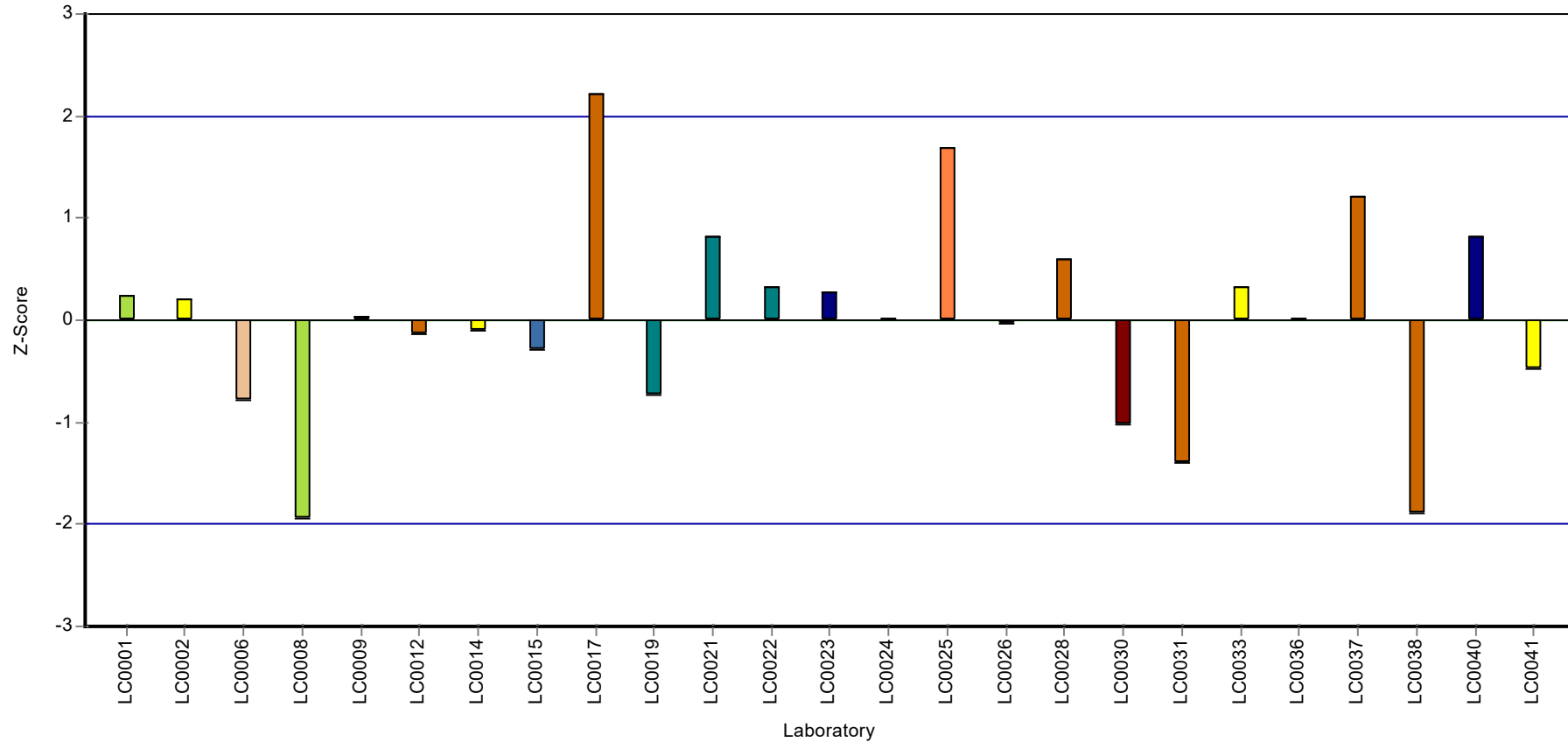
Recovery rate



Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Silver

Z-score



Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Sum 16 PAH (acc. to EPA)

Parameter oriented report

AB13

Sum 16 PAH (acc. to EPA)

Unit	mg/kg DM
Assigned value ± U (k=2)	1.9 ± 0.278
Criterion	0.683 (36 %)
Minimum - Maximum	0.85 - 3.4
Control test value ± U (k=2)	1.88 ± 0.594

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	1.33	0.17	70.1	-0.83	
LC0002	-	-	-	-	
LC0003	2.53	0.301	133	0.93	
LC0004	2.15	0.65	113	0.37	
LC0005	1.59	0.159	83.8	-0.45	
LC0006	3.4	0.43	179	2.2	
LC0007	1.95	0.29	103	0.08	
LC0008	2.07	0.41	109	0.25	
LC0009	0.98	0.2	51.7	-1.34	
LC0010	-	-	-	-	
LC0011	2.137	0.276	113	0.35	
LC0012	1.227	0.05	64.7	-0.98	
LC0013	0.91	0.14	48	-1.45	
LC0014	-	-	-	-	
LC0015	2.046	0.307	108	0.22	
LC0016	1.82	0.32	96	-0.11	
LC0017	2.18	0.22	115	0.41	
LC0018	-	-	-	-	
LC0019	2.84	0.625	150	1.38	
LC0020	-	-	-	-	
LC0021	2.727	0.818	144	1.22	
LC0022	0.85	0.085	44.8	-1.53	
LC0023	1.9	0.86	100	0.00	
LC0024	-	-	-	-	
LC0025	-	-	-	-	
LC0026	-	-	-	-	
LC0027	1.65	0.3	87	-0.36	
LC0028	1.01	0.202	53.3	-1.3	
LC0029	-	-	-	-	
LC0030	-	-	-	-	
LC0031	-	-	-	-	
LC0032	-	-	-	-	
LC0033	-	-	-	-	
LC0034	-	-	-	-	
LC0035	-	-	-	-	
LC0036	-	-	-	-	
LC0037	1.39	0.28	73.3	-0.74	
LC0038	2.811	0.1235	148	1.34	
LC0039	2.46	1.107	130	0.83	
LC0040	1.562	0.24	82.4	-0.49	

Parameter oriented report Waste acc. to landfill
directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Sum 16 PAH (acc. to EPA)

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0041	-	-	-	-	

Characteristics of parameter

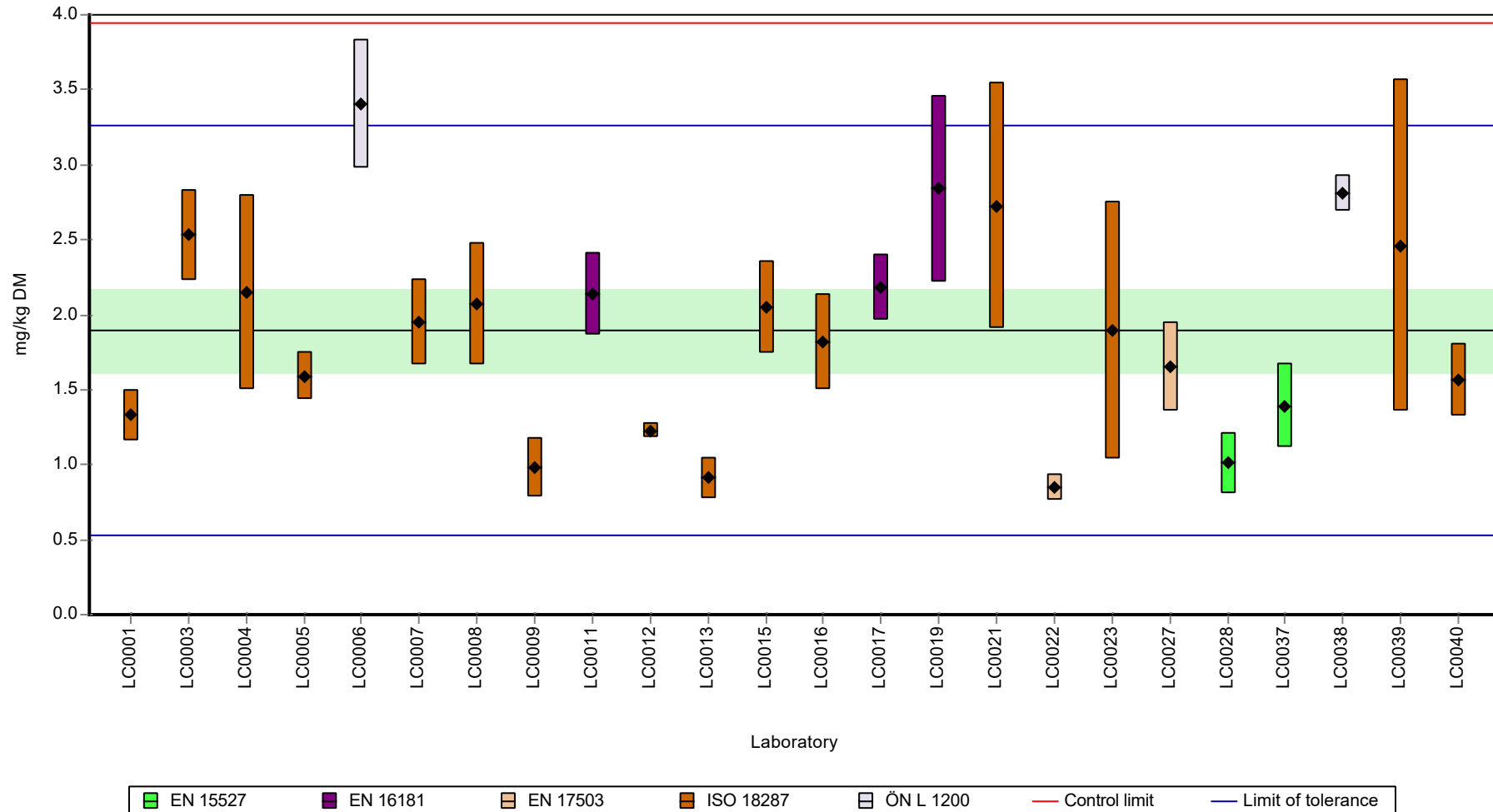
	all results	w without outliers	Unit
Mean ± CI (99%)	1.9 ± 0.417	1.9 ± 0.417	mg/kg DM
Minimum	0.85	0.85	mg/kg DM
Maximum	3.4	3.4	mg/kg DM
Standard deviation	0.68	0.68	mg/kg DM
rel. standard deviation	35.9	35.9	%
n	24	24	-

Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Sum 16 PAH (acc. to EPA)

Graphical presentation of results

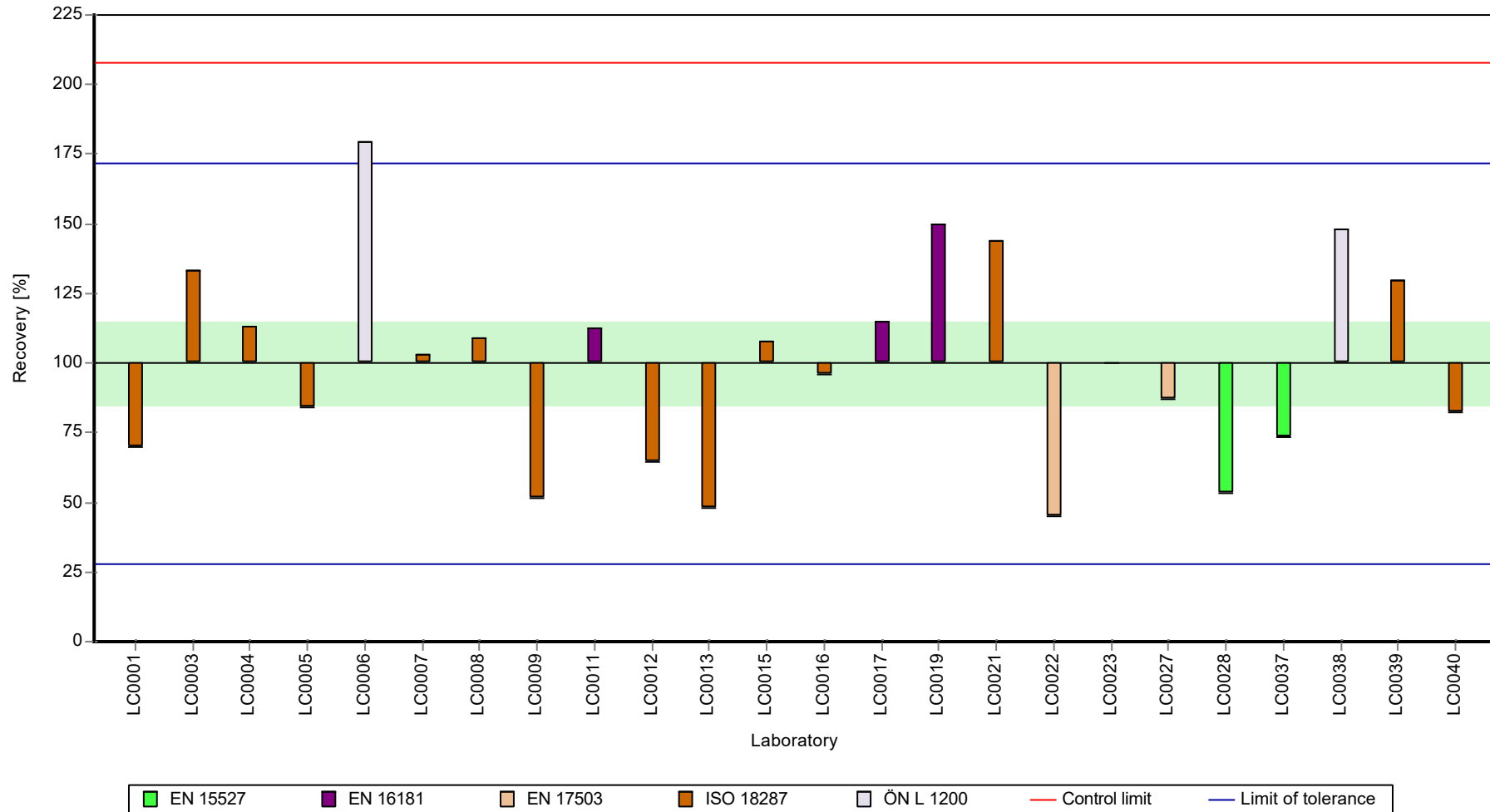
Results



Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Sum 16 PAH (acc. to EPA)

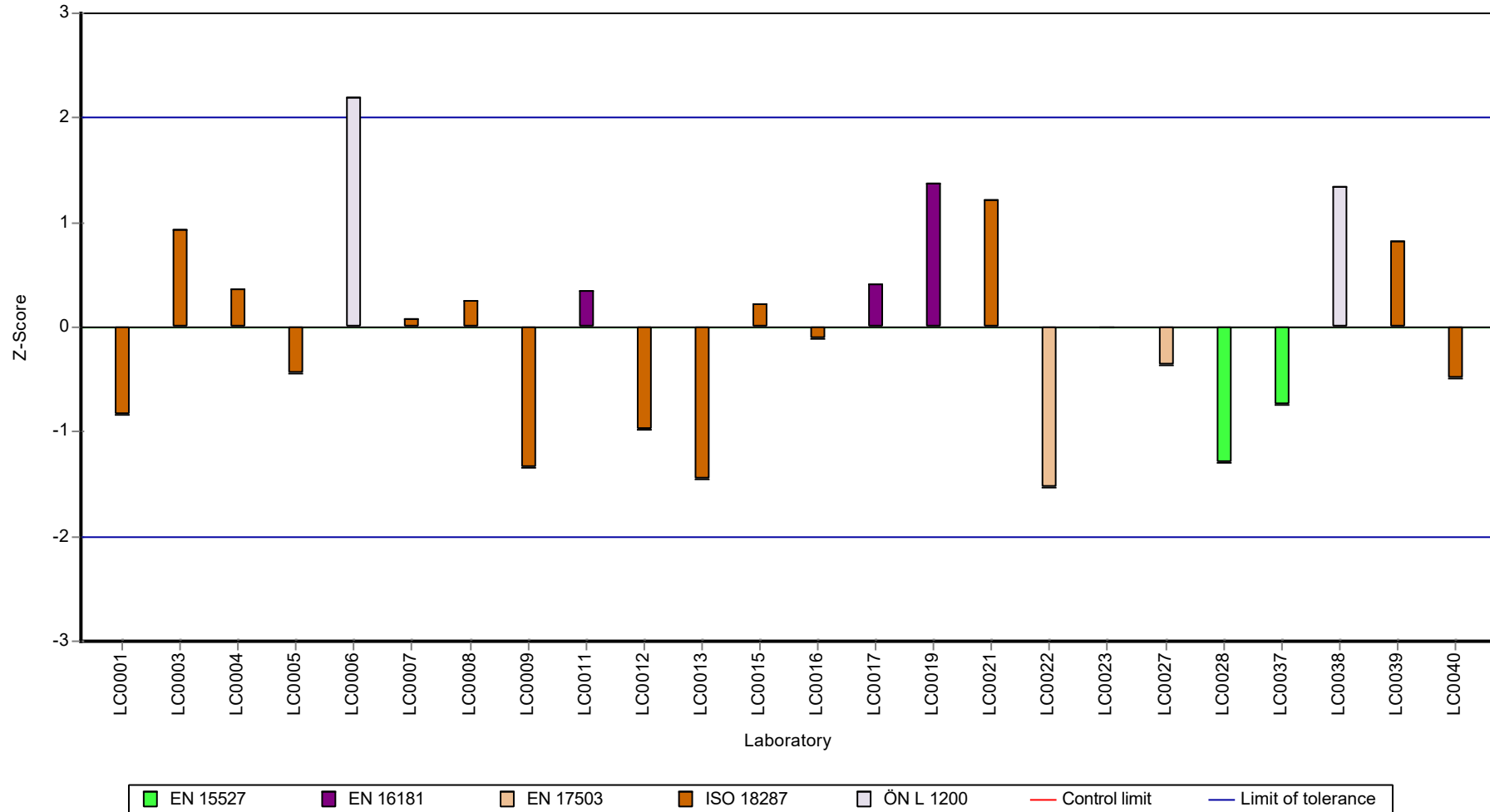
Recovery rate



Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Sum 16 PAH (acc. to EPA)

Z-score



Parameter oriented report Waste acc. to landfill
directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Tin

Parameter oriented report

AB13

Tin

Unit	mg/kg DM
Assigned value \pm U (k=2)	232 \pm 12.3
Criterion	34.8 (15 %)
Minimum - Maximum	145 - 285
Control test value \pm U (k=2)	239.0 \pm 40.6

Labcode	Result	\pm U	Recovery [%]	z-score	Comments
LC0001	253	5.7	109	0.6	
LC0002	3724	931	1610	100.35	H
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	254	51	109	0.63	
LC0007	-	-	-	-	
LC0008	277	111	119	1.29	
LC0009	251	22.2	108	0.55	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	213.9	4.1	92.2	-0.52	
LC0013	270	47	116	1.09	
LC0014	258.18	36.048	111	0.75	
LC0015	232.2	24.4	100	0.01	
LC0016	-	-	-	-	
LC0017	242	17	104	0.29	
LC0018	-	-	-	-	
LC0019	228	25.1	98.3	-0.11	
LC0020	-	-	-	-	
LC0021	209.7	20.97	90.4	-0.64	
LC0022	248	24.8	107	0.46	
LC0023	198.9	59.7	85.7	-0.95	
LC0024	144.76	28.952	62.4	-2.51	
LC0025	269	48.4	116	1.06	
LC0026	-	-	-	-	
LC0027	285	57	123	1.52	
LC0028	200	26	86.2	-0.92	
LC0029	-	-	-	-	
LC0030	196	39.2	84.5	-1.03	
LC0031	195	39.4	84.1	-1.06	
LC0032	-	-	-	-	
LC0033	246	73.8	106	0.4	
LC0034	229	25.7	98.7	-0.09	
LC0035	-	-	-	-	
LC0036	229.1	28.867	98.8	-0.08	
LC0037	229	46	98.7	-0.09	
LC0038	232.8	13.1	100	0.02	
LC0039	-	-	-	-	
LC0040	200	30	86.2	-0.92	

Parameter oriented report Waste acc. to landfill
directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Tin

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0041	240	72	103	0.23	

Characteristics of parameter

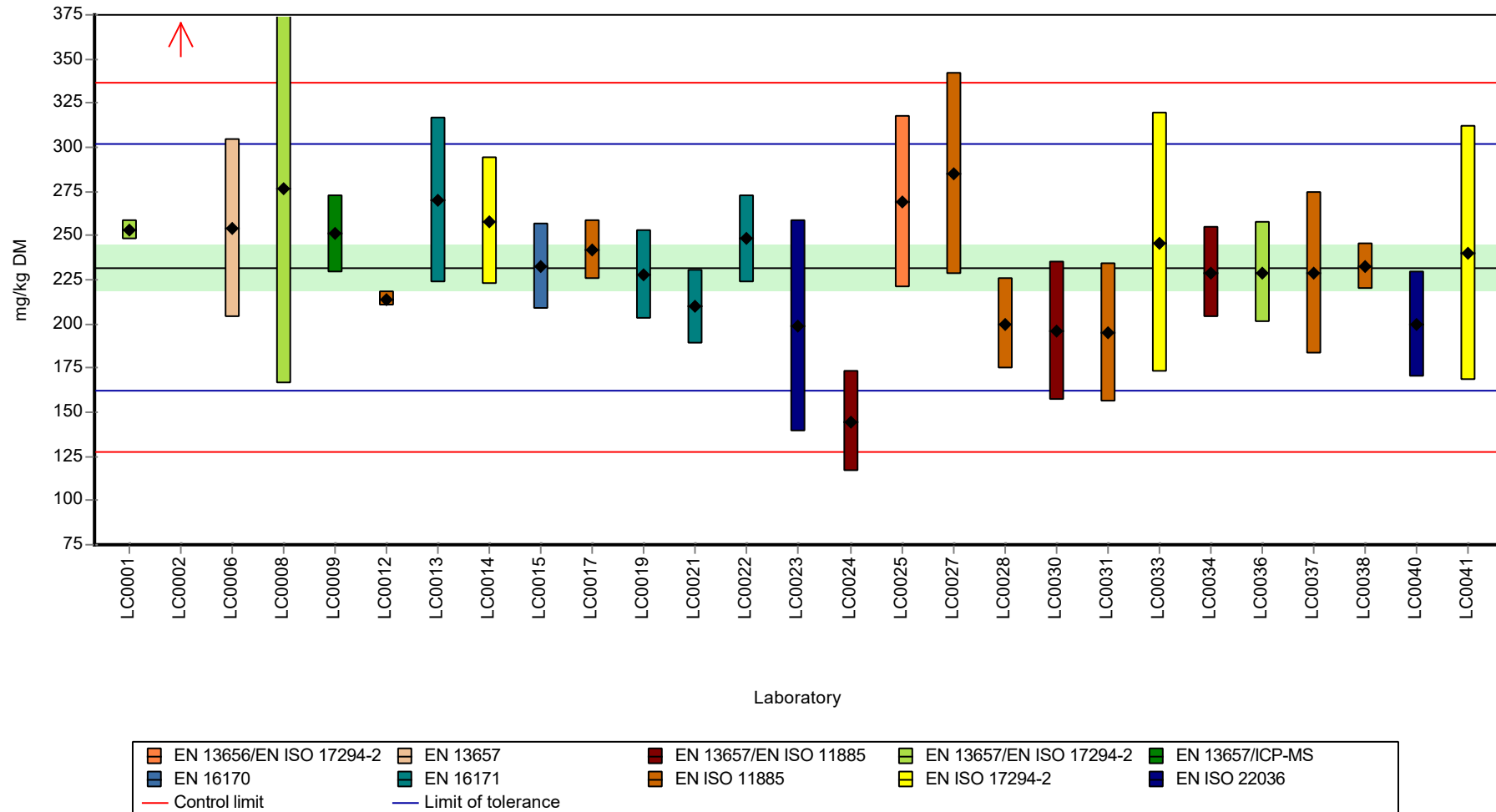
	all results	w without outliers	Unit
Mean ± CI (99%)	361 ± 388	232 ± 18.4	mg/kg DM
Minimum	145	145	mg/kg DM
Maximum	3720	285	mg/kg DM
Standard deviation	673	31.3	mg/kg DM
rel. standard deviation	186	13.5	%
n	27	26	-

Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Tin

Graphical presentation of results

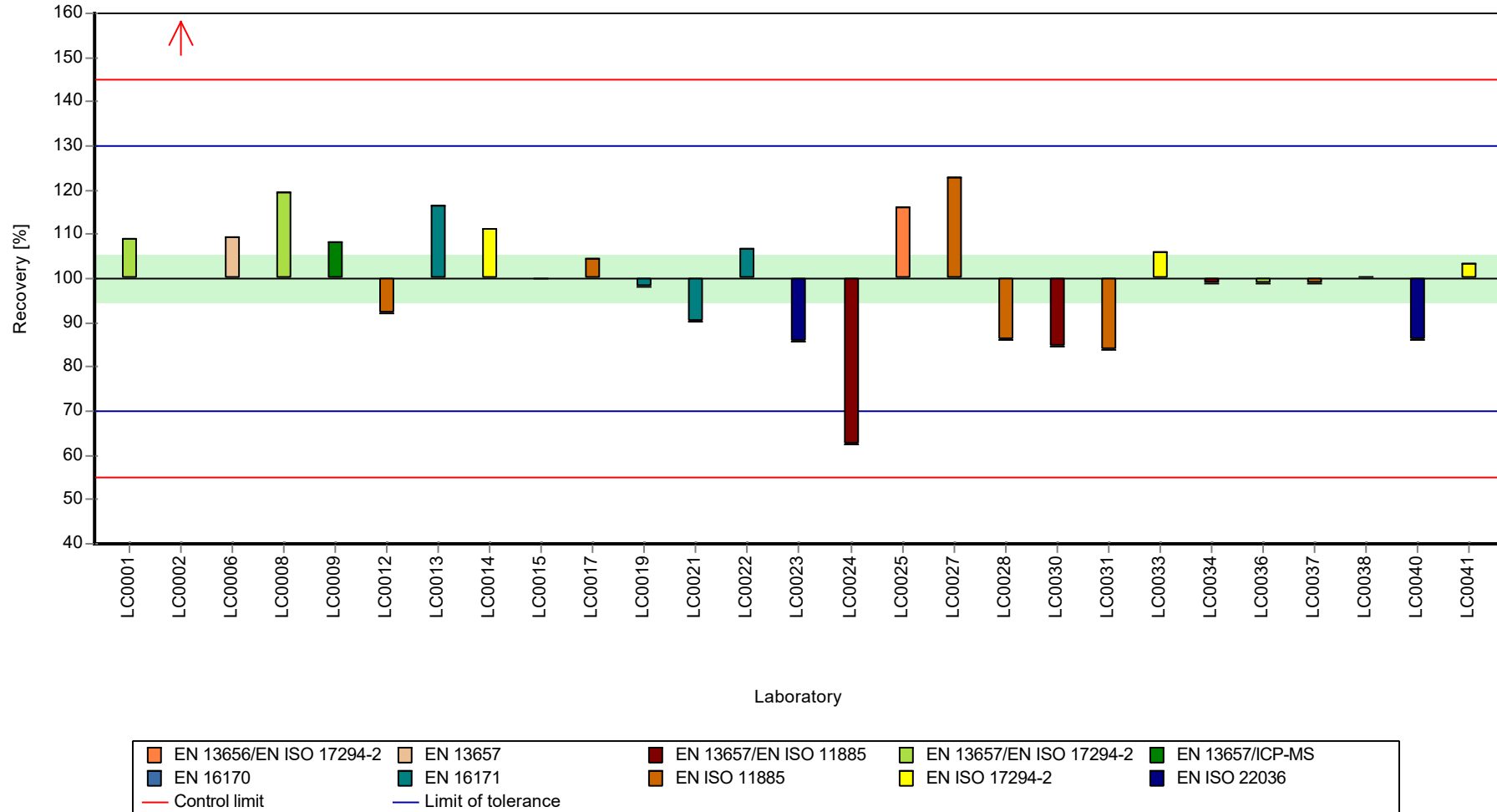
Results



Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Tin

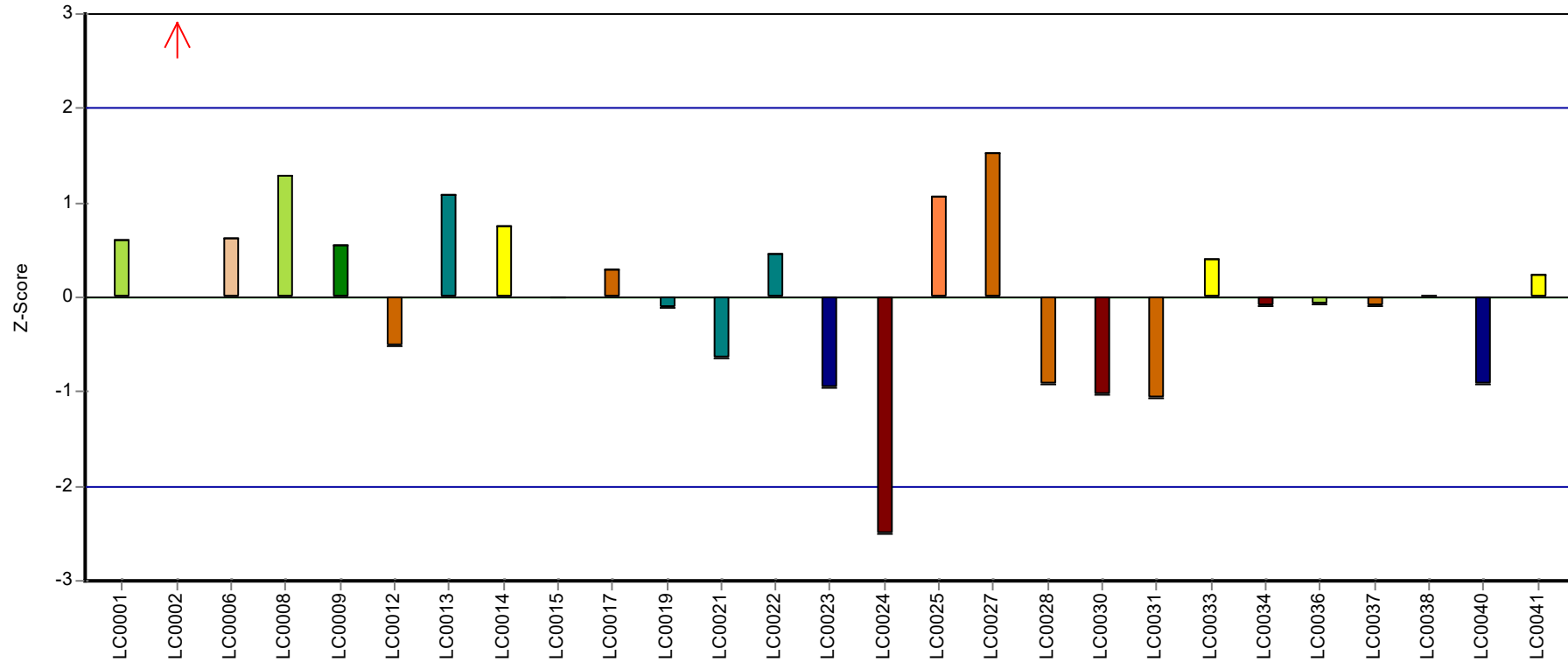
Recovery rate



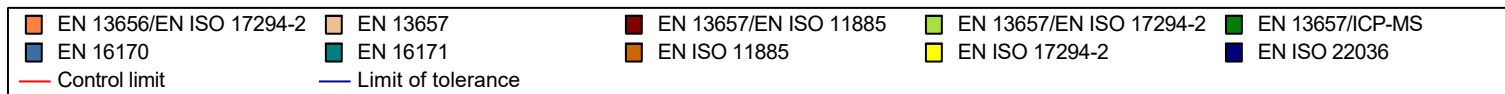
Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Tin

Z-score



Laboratory



Parameter oriented report Waste acc. to landfill
directive (Austria) (total content) - AB13

Sample: AB13, Parameter: TOC (as C)

Parameter oriented report

AB13

TOC (as C)

Unit	mg/kg DM
Assigned value ± U (k=2)	38100 ± 846
Criterion	3810 (10 %)
Minimum - Maximum	34000 - 44000
Control test value ± U (k=2)	35800.0 ± 5140

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	36570	1722	96.1	-0.39	
LC0002	37978	5317	99.8	-0.02	
LC0003	30600	3000	80.4	-1.96	H
LC0004	37600	3760	98.8	-0.12	
LC0005	-	-	-	-	
LC0006	49100	12766	129	2.9	H
LC0007	37706	3771	99	-0.1	
LC0008	37267	11180	97.9	-0.21	
LC0009	35500	2000	93.3	-0.67	
LC0010	48800	3000	128	2.82	H
LC0011	-	-	-	-	
LC0012	29117	1000	76.5	-2.35	H
LC0013	34000	4500	89.3	-1.07	
LC0014	-	-	-	-	
LC0015	38705	6580	102	0.17	
LC0016	28000	2520	73.6	-2.64	H
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	38300	4979	101	0.06	
LC0020	-	-	-	-	
LC0021	38556.3	1928	101	0.13	
LC0022	-	-	-	-	
LC0023	36000	5500	94.6	-0.54	
LC0024	37200	3720	97.7	-0.23	
LC0025	39420	3548	104	0.35	
LC0026	38600	11400	101	0.14	
LC0027	41600	5800	109	0.93	
LC0028	44000	3960	116	1.56	
LC0029	-	-	-	-	
LC0030	24900	4980	65.4	-3.46	H
LC0031	38215	7211	100	0.04	
LC0032	-	-	-	-	
LC0033	-	-	-	-	
LC0034	39430	826	104	0.36	
LC0035	-	-	-	-	
LC0036	38486.3	4618.356	101	0.11	
LC0037	39300	7900	103	0.32	
LC0038	36845	1022	96.8	-0.32	
LC0039	-	-	-	-	
LC0040	38100	2438	100	0.01	

Parameter oriented report Waste acc. to landfill
directive (Austria) (total content) - AB13

Sample: AB13, Parameter: TOC (as C)

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0041	36200	5430	95.1	-0.49	

Characteristics of parameter

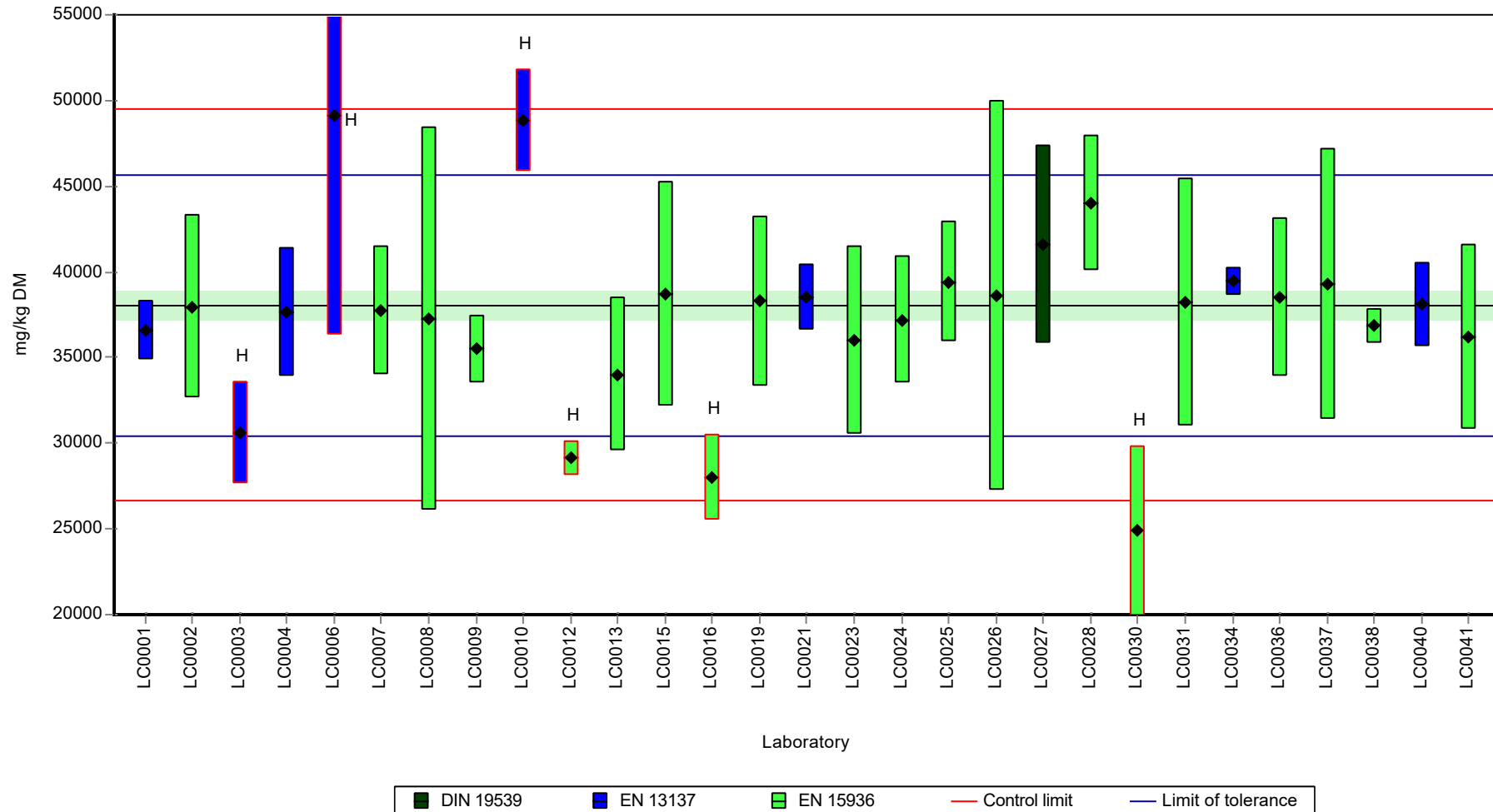
	all results	w ithout outliers	Unit
Mean ± CI (99%)	37500 ± 2840	38100 ± 1270	mg/kg DM
Minimum	24900	34000	mg/kg DM
Maximum	49100	44000	mg/kg DM
Standard deviation	5100	2030	mg/kg DM
rel. standard deviation	13.6	5.33	%
n	29	23	-

Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: TOC (as C)

Graphical presentation of results

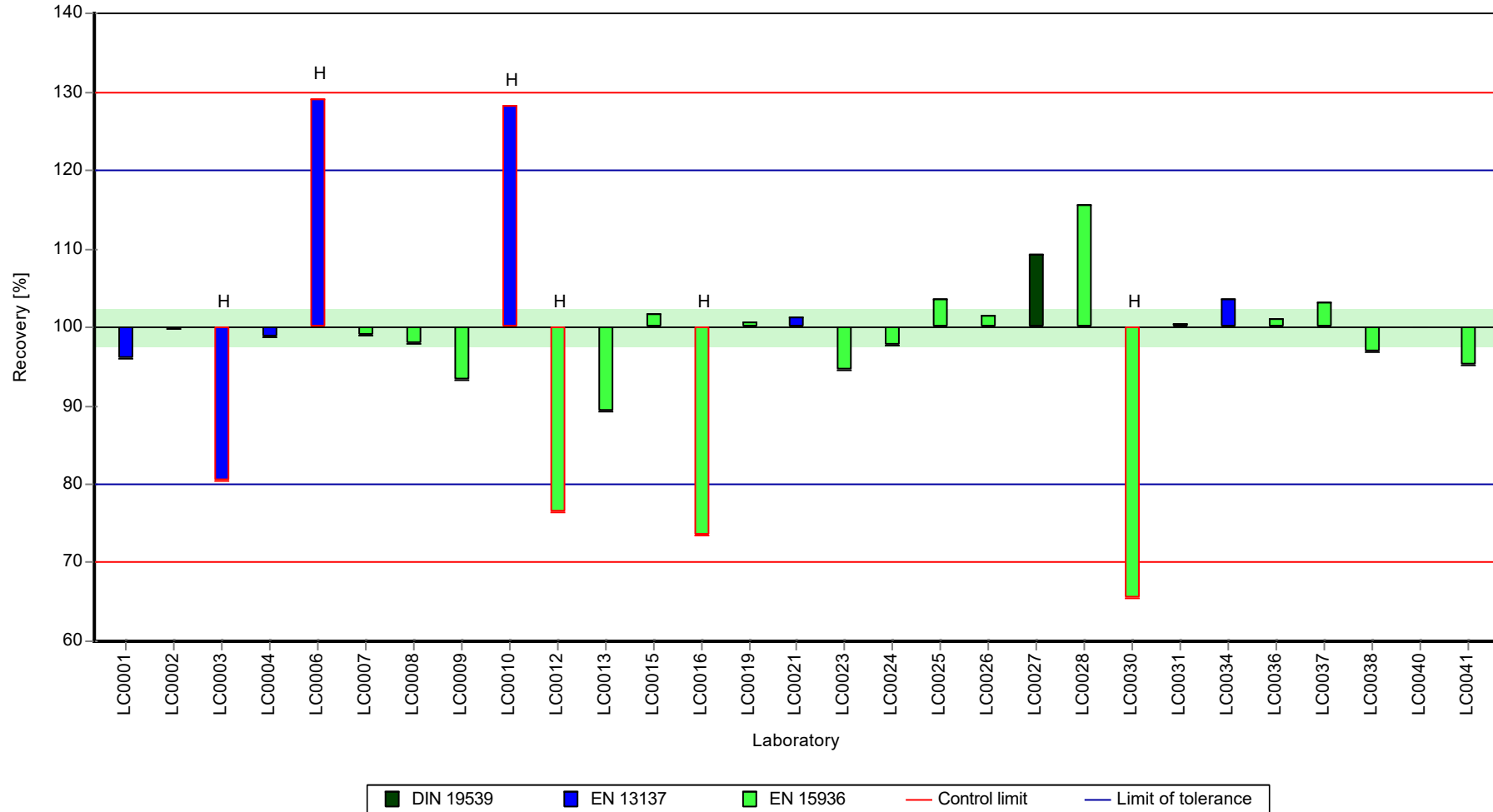
Results



Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: TOC (as C)

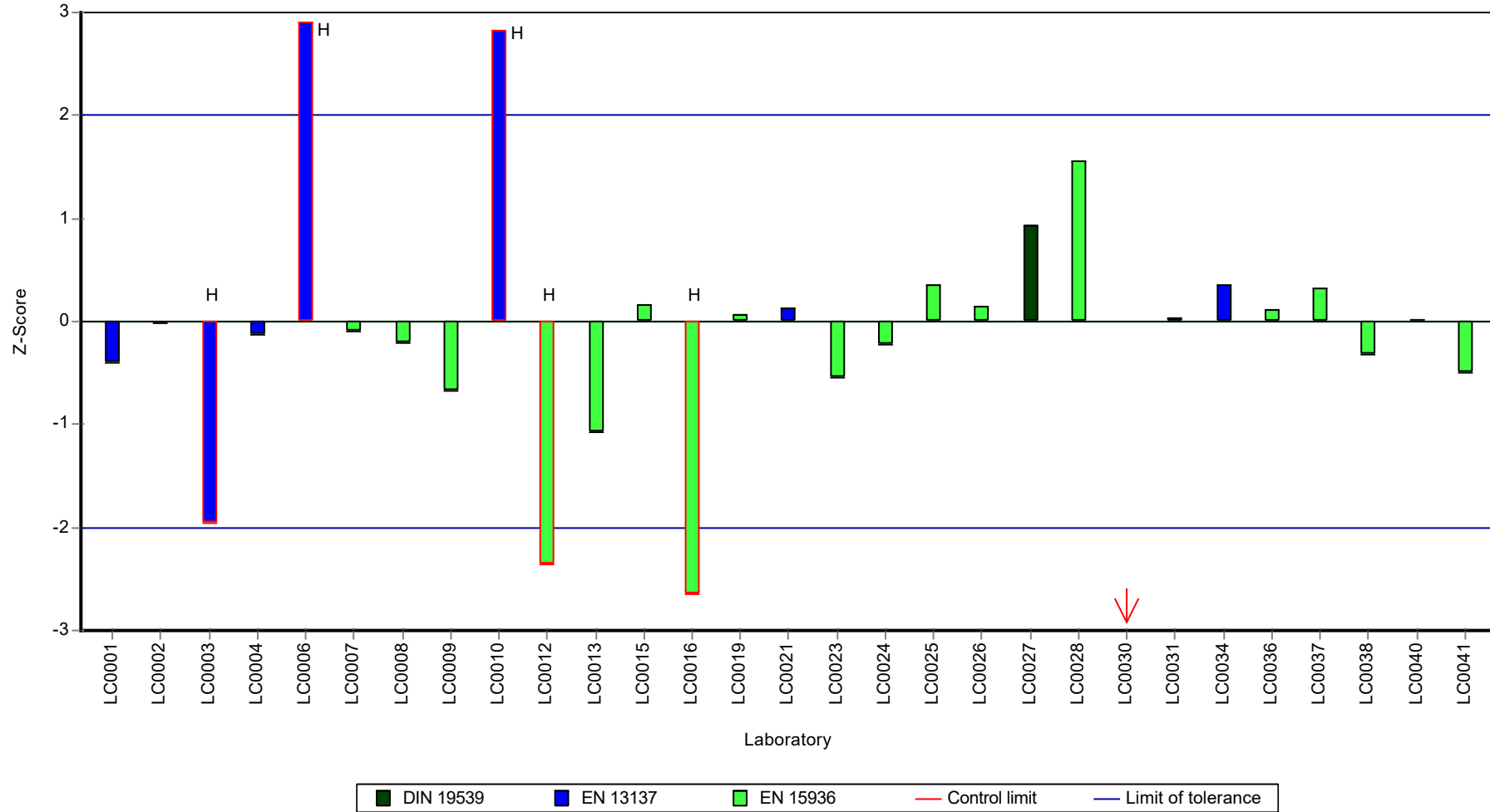
Recovery rate



Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: TOC (as C)

Z-score



Parameter oriented report Waste acc. to landfill
directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Vanadium

Parameter oriented report

AB13

Vanadium

Unit	mg/kg DM
Assigned value \pm U (k=2)	106 \pm 5.84
Criterion	16 (15 %)
Minimum - Maximum	66.4 - 127
Control test value \pm U (k=2)	87.1 \pm 10.4

Labcode	Result	\pm U	Recovery [%]	z-score	Comments
LC0001	124	20	116	1.1	
LC0002	113	28	106	0.41	
LC0003	-	-	-	-	
LC0004	108	18	101	0.09	
LC0005	-	-	-	-	
LC0006	126	45	118	1.22	
LC0007	-	-	-	-	
LC0008	118	23.6	111	0.72	
LC0009	127	5.33	119	1.28	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	90.22	2.9	84.7	-1.02	
LC0013	98.1	20	92.1	-0.53	
LC0014	105.97	4.079	99.5	-0.03	
LC0015	105.3	18.4	98.9	-0.07	
LC0016	-	-	-	-	
LC0017	103	7.1	96.7	-0.22	
LC0018	-	-	-	-	
LC0019	112	8.96	105	0.35	
LC0020	-	-	-	-	
LC0021	108.48	10.85	102	0.12	
LC0022	110	11	103	0.22	
LC0023	104.5	31.4	98.1	-0.12	
LC0024	16.25	3.25	15.3	-5.65	H
LC0025	126	22.7	118	1.22	
LC0026	122.5	34.6	115	1	
LC0027	108	22	101	0.09	
LC0028	99	11.385	93	-0.47	
LC0029	-	-	-	-	
LC0030	85.8	17.2	80.6	-1.3	
LC0031	107	21.8	100	0.03	
LC0032	-	-	-	-	
LC0033	114	34.2	107	0.47	
LC0034	66.4	3.82	62.4	-2.51	
LC0035	-	-	-	-	
LC0036	94.67	9.467	88.9	-0.74	
LC0037	124	25	116	1.1	
LC0038	181.9	6.27	171	4.72	H
LC0039	-	-	-	-	
LC0040	82.2	10.5	77.2	-1.52	

Parameter oriented report Waste acc. to landfill
directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Vanadium

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0041	112	33.6	105	0.35	

Characteristics of parameter

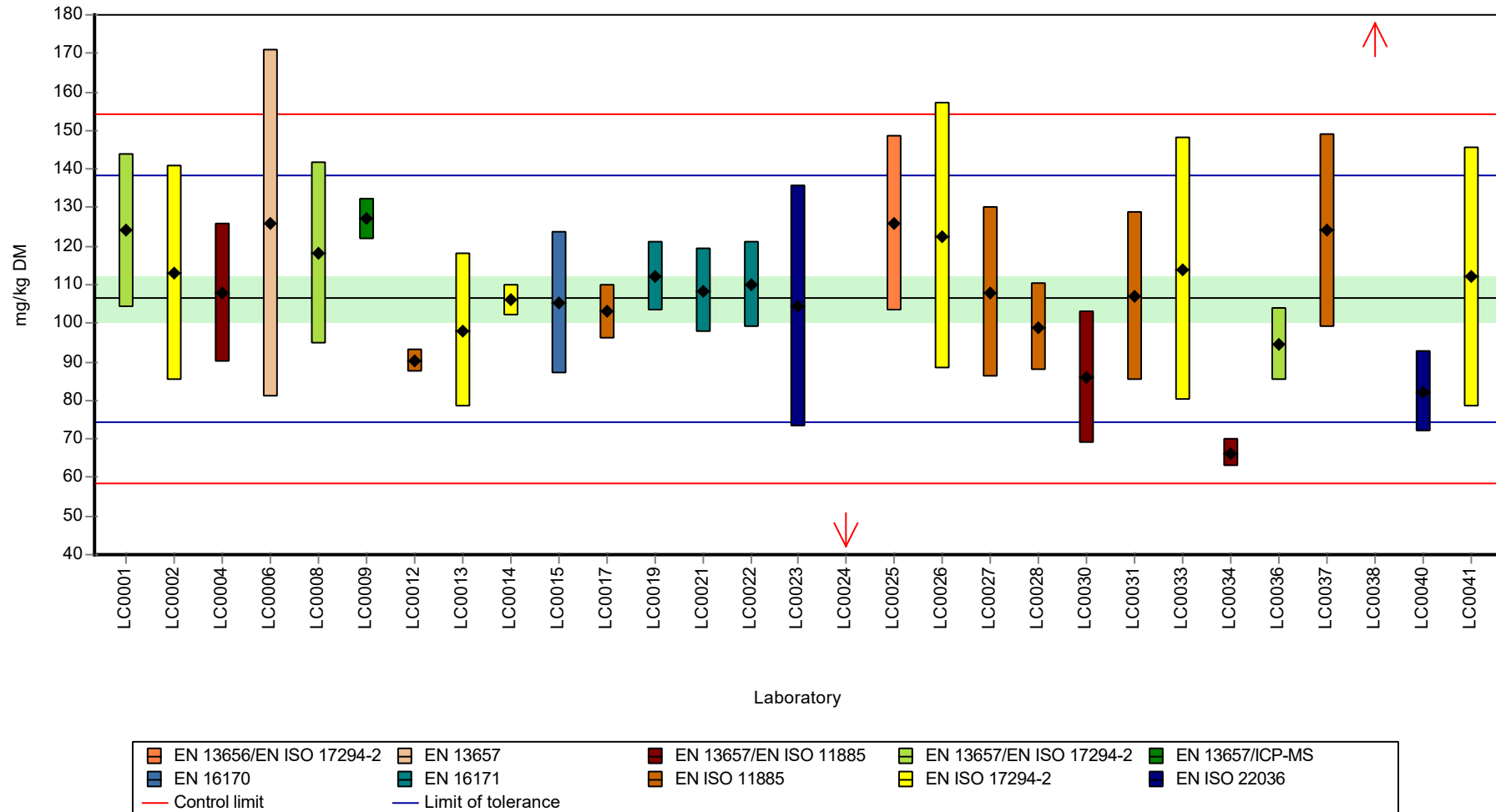
	all results	w without outliers	Unit
Mean ± CI (99%)	107 ± 14.7	107 ± 8.42	mg/kg DM
Minimum	16.3	66.4	mg/kg DM
Maximum	182	127	mg/kg DM
Standard deviation	26.3	14.6	mg/kg DM
rel. standard deviation	24.7	13.6	%
n	29	27	-

Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Vanadium

Graphical presentation of results

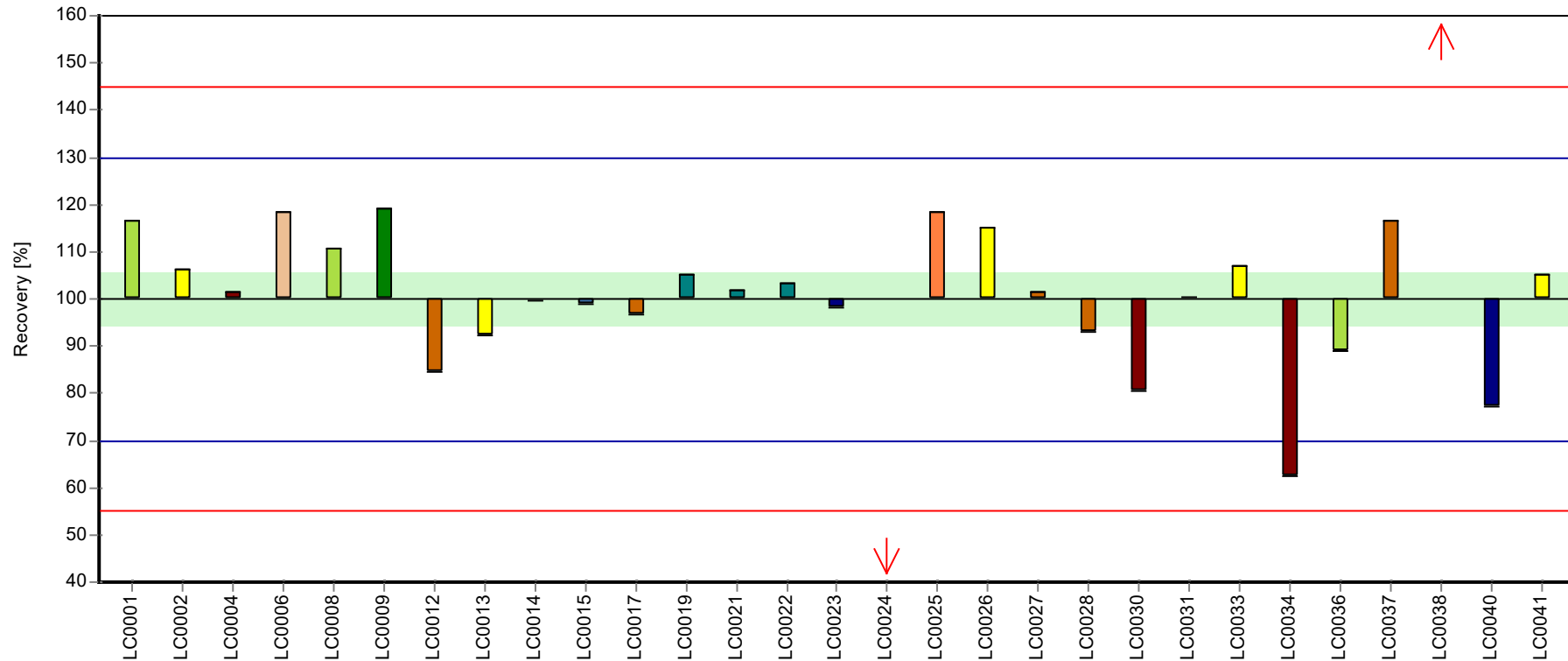
Results



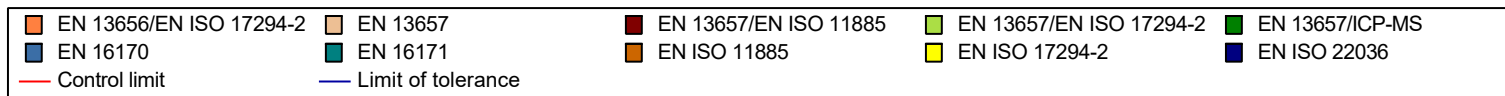
Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Vanadium

Recovery rate



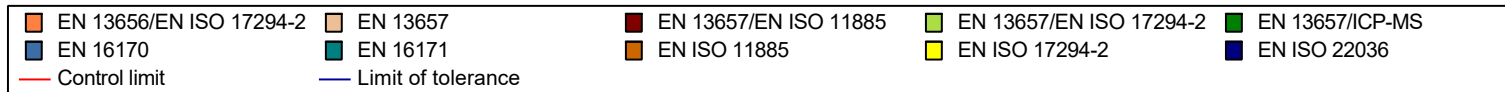
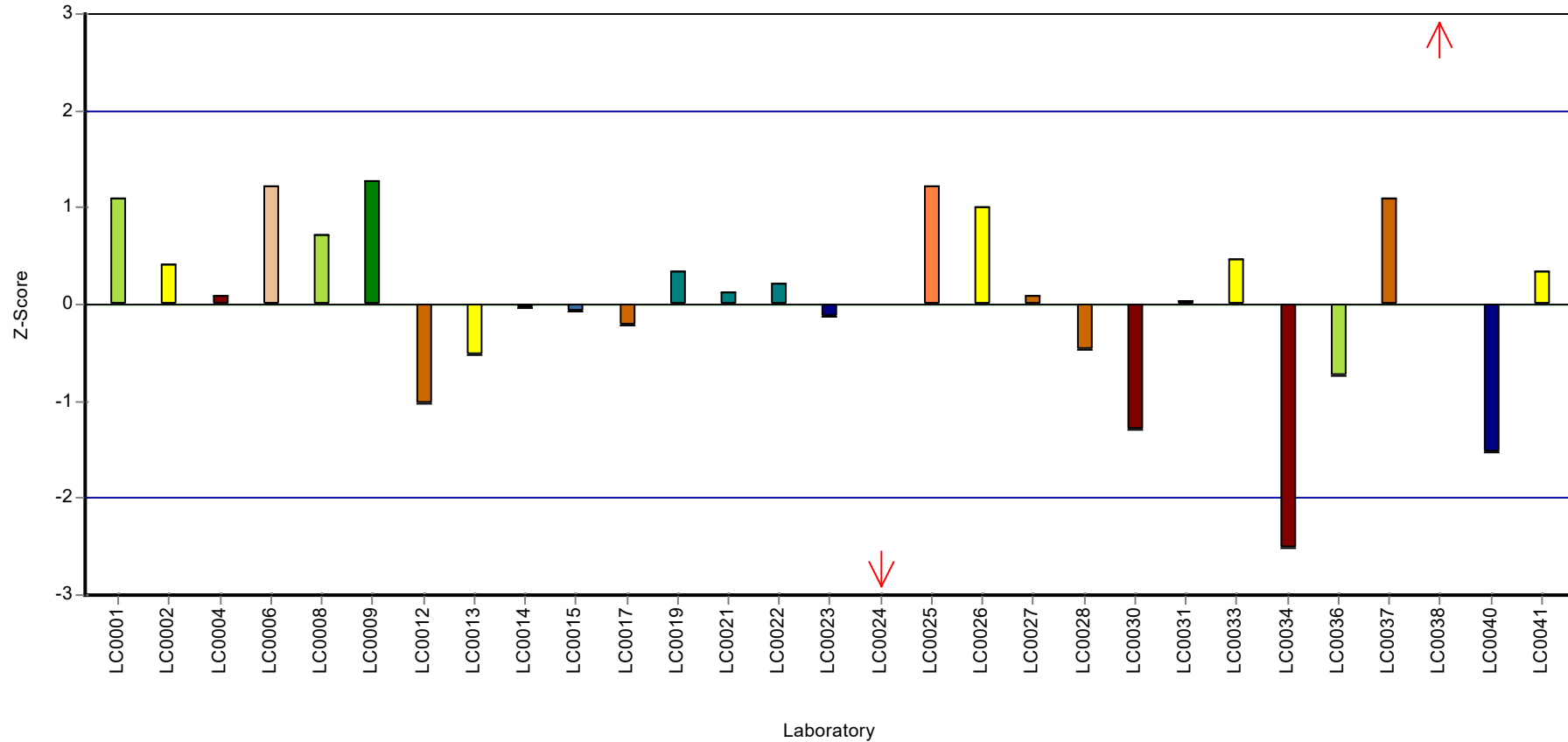
Laboratory



Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Vanadium

Z-score



Parameter oriented report Waste acc. to landfill
directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Zinc

Parameter oriented report

AB13

Zinc

Unit	mg/kg DM
Assigned value \pm U (k=2)	3820 \pm 88.8
Criterion	382 (10 %)
Minimum - Maximum	3420 - 4340
Control test value \pm U (k=2)	2960.0 \pm 355

Labcode	Result	\pm U	Recovery [%]	z-score	Comments
LC0001	3895	156	102	0.19	
LC0002	3724	931	97.4	-0.26	
LC0003	-	-	-	-	
LC0004	3588	681	93.8	-0.62	
LC0005	-	-	-	-	
LC0006	3690	712	96.5	-0.35	
LC0007	3669	440	96	-0.4	
LC0008	3913	783	102	0.24	
LC0009	3568	59.3	93.3	-0.67	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	3892	13.6	102	0.18	
LC0013	3970	600	104	0.38	
LC0014	3641.45	169.695	95.2	-0.48	
LC0015	3708	501	97	-0.3	
LC0016	2470	198	64.6	-3.54	H
LC0017	3530	205	92.3	-0.77	
LC0018	-	-	-	-	
LC0019	4034	484	106	0.55	
LC0020	-	-	-	-	
LC0021	4179.49	417.95	109	0.93	
LC0022	3789	378.9	99.1	-0.09	
LC0023	2901	870.3	75.9	-2.41	H
LC0024	3832.1	459.852	100	0.02	
LC0025	3919	705	103	0.25	
LC0026	3807	1124	99.6	-0.04	
LC0027	4170	830	109	0.91	
LC0028	4100	184.5	107	0.72	
LC0029	-	-	-	-	
LC0030	3470	694	90.8	-0.92	
LC0031	4075	593	107	0.66	
LC0032	-	-	-	-	
LC0033	3543	1060	92.7	-0.73	
LC0034	3737	195	97.7	-0.23	
LC0035	3940	50	103	0.31	
LC0036	3775	566.3	98.7	-0.13	
LC0037	4340	870	114	1.35	
LC0038	3740	55.5	97.8	-0.22	
LC0039	4070	814	106	0.65	
LC0040	3640	311	95.2	-0.48	

Parameter oriented report Waste acc. to landfill
directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Zinc

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0041	3420	684	89.5	-1.05	

Characteristics of parameter

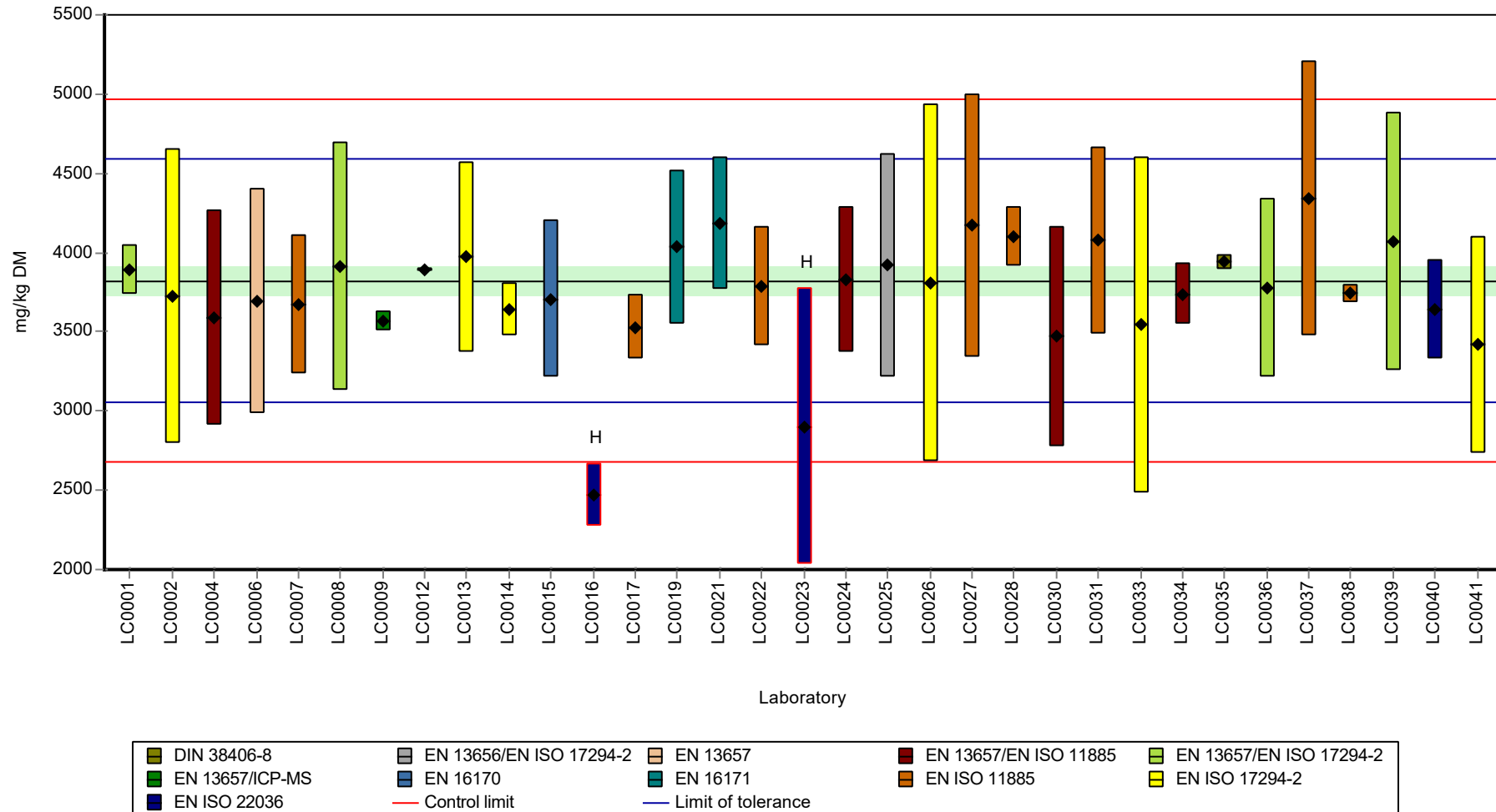
	all results	w ithout outliers	Unit
Mean ± CI (99%)	3750 ± 186	3820 ± 122	mg/kg DM
Minimum	2470	3420	mg/kg DM
Maximum	4340	4340	mg/kg DM
Standard deviation	356	227	mg/kg DM
rel. standard deviation	9.48	5.94	%
n	33	31	-

Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Zinc

Graphical presentation of results

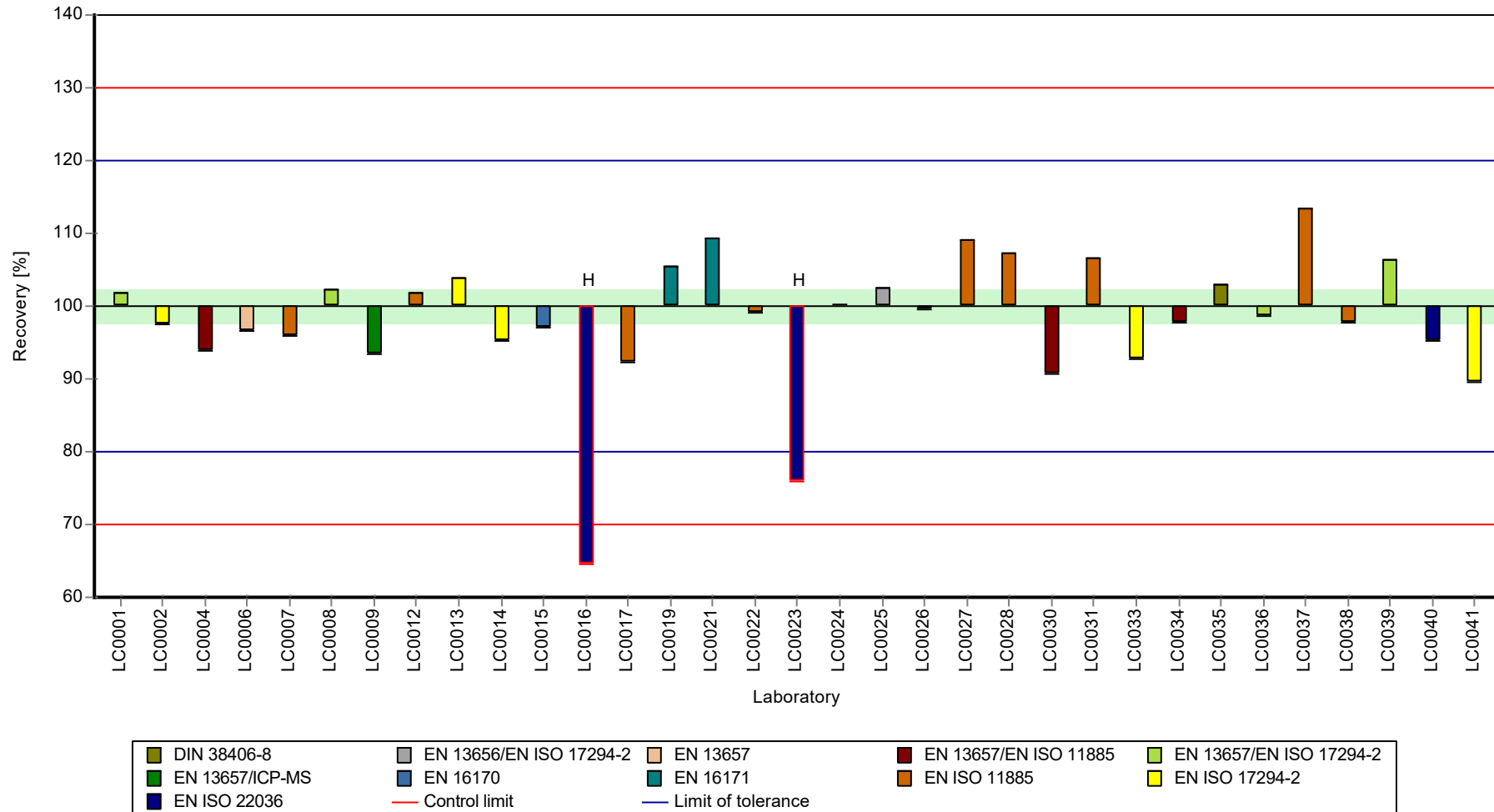
Results



Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Zinc

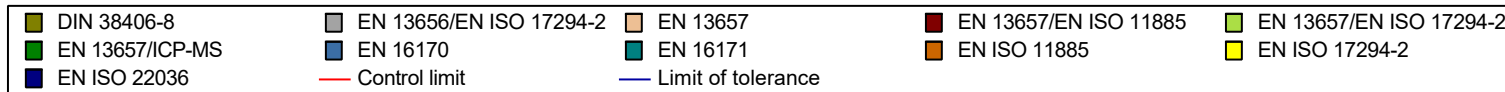
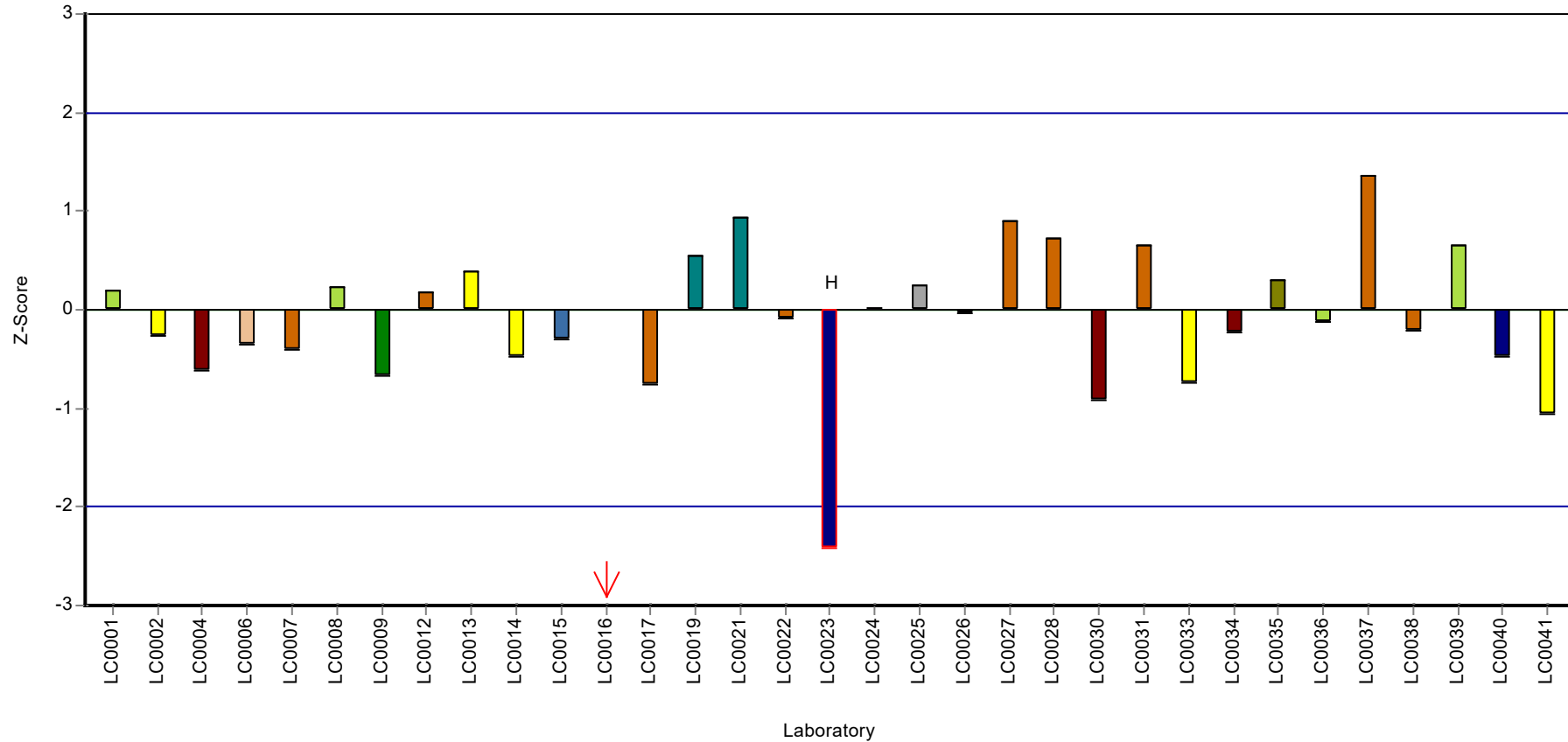
Recovery rate



Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: Zinc

Z-score



Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: TOC_(ON L1080)

Parameter oriented report

AB13

TOC_(ON L1080)**

Unit	% dm
Assigned value ± U (k=2)	3.8 ± 0.0949
Criterion	0.38 (10 %)
Minimum - Maximum	3.71 - 4.38
Control test value ± U (k=2)	2.29 ± 0.328

**For the informative data evaluation of parameter TOC_(ON L1080) the calculated mean value MV +/- U(k=2) based on n=3 accredited laboratories working according to ÖNORM L1080 is used.

TOC_(ON L1080): MV(n=3 accr. lab) +/- U(k=2): 3.80 +/- 0.0949 % dm
additional informative mean value for TOC_(ON L1080):
MV(n=7 labs; ÖNORM L1080): 3.95 +/- 0.175 % dm

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	-	-	-	-	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	-	-	-	-	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	2.912	0.1	76.6	-2.34	H
LC0013	3.94	0.45	104	0.37	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	-	-	-	-	
LC0017	-	-	-	-	
LC0018	-	-	-	-	
LC0019	4.38	0.657	115	1.53	
LC0020	-	-	-	-	
LC0021	3.71	1.3	97.6	-0.24	
LC0022	3.873	0.3873	102	0.19	
LC0023	-	-	-	-	
LC0024	-	-	-	-	
LC0025	3.79	0.341	99.7	-0.03	
LC0026	-	-	-	-	
LC0027	-	-	-	-	
LC0028	-	-	-	-	
LC0029	-	-	-	-	
LC0030	-	-	-	-	
LC0031	3.82	0.721	101	0.05	
LC0032	-	-	-	-	
LC0033	-	-	-	-	
LC0034	-	-	-	-	
LC0035	-	-	-	-	
LC0036	4.143	0.829	109	0.9	
LC0037	3.81	0.76	100	0.03	
LC0038	1.838	0.11	48.4	-5.16	H
LC0039	-	-	-	-	
LC0040	-	-	-	-	

Parameter oriented report Waste acc. to landfill
directive (Austria) (total content) - AB13

Sample: AB13, Parameter: TOC_(ON L1080)

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0041	-	-	-	-	

Characteristics of parameter

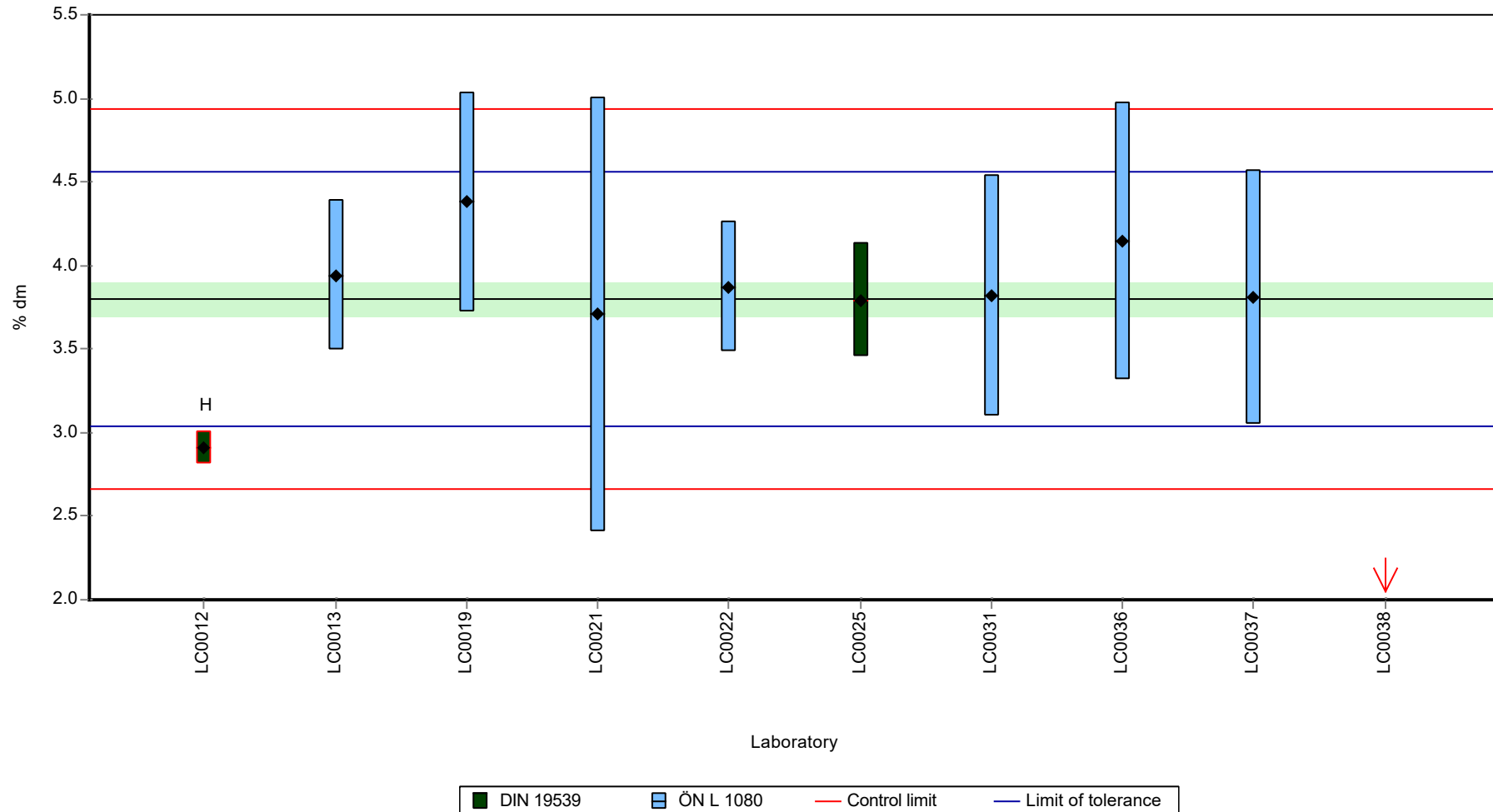
	all results	w without outliers	Unit
Mean ± CI (99%)	3.62 ± 0.693	3.95 ± 0.263	% dm
Minimum	1.84	3.71	% dm
Maximum	4.38	4.38	% dm
Standard deviation	0.731	0.232	% dm
rel. standard deviation	20.2	5.86	%
n	10	7	-

Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: TOC_(ON L1080)

Graphical presentation of results

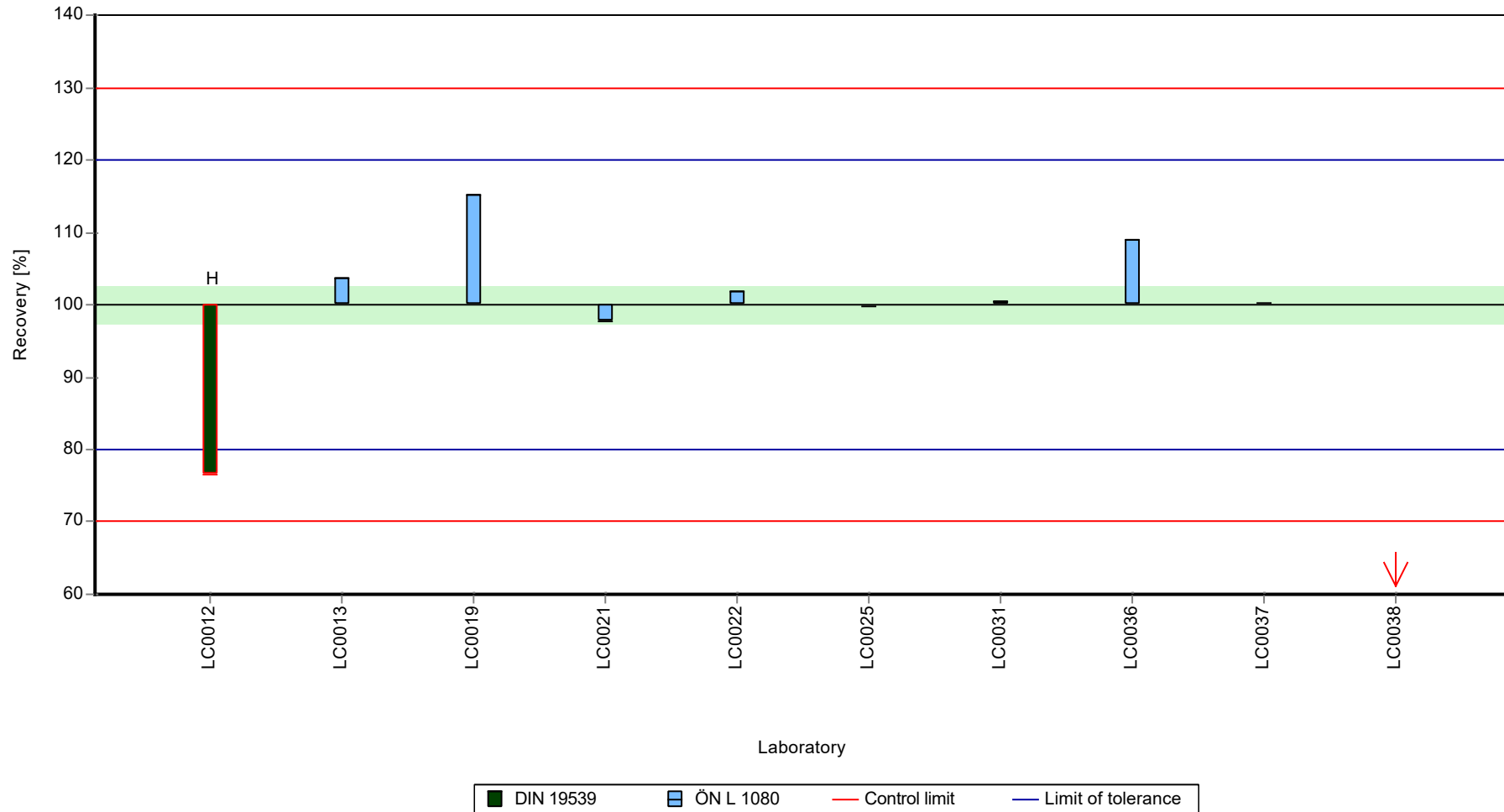
Results



Parameter oriented report Waste acc. to landfill directive (Austria) (total content) -
 AB13

Sample: AB13, Parameter: TOC_(ON L1080)

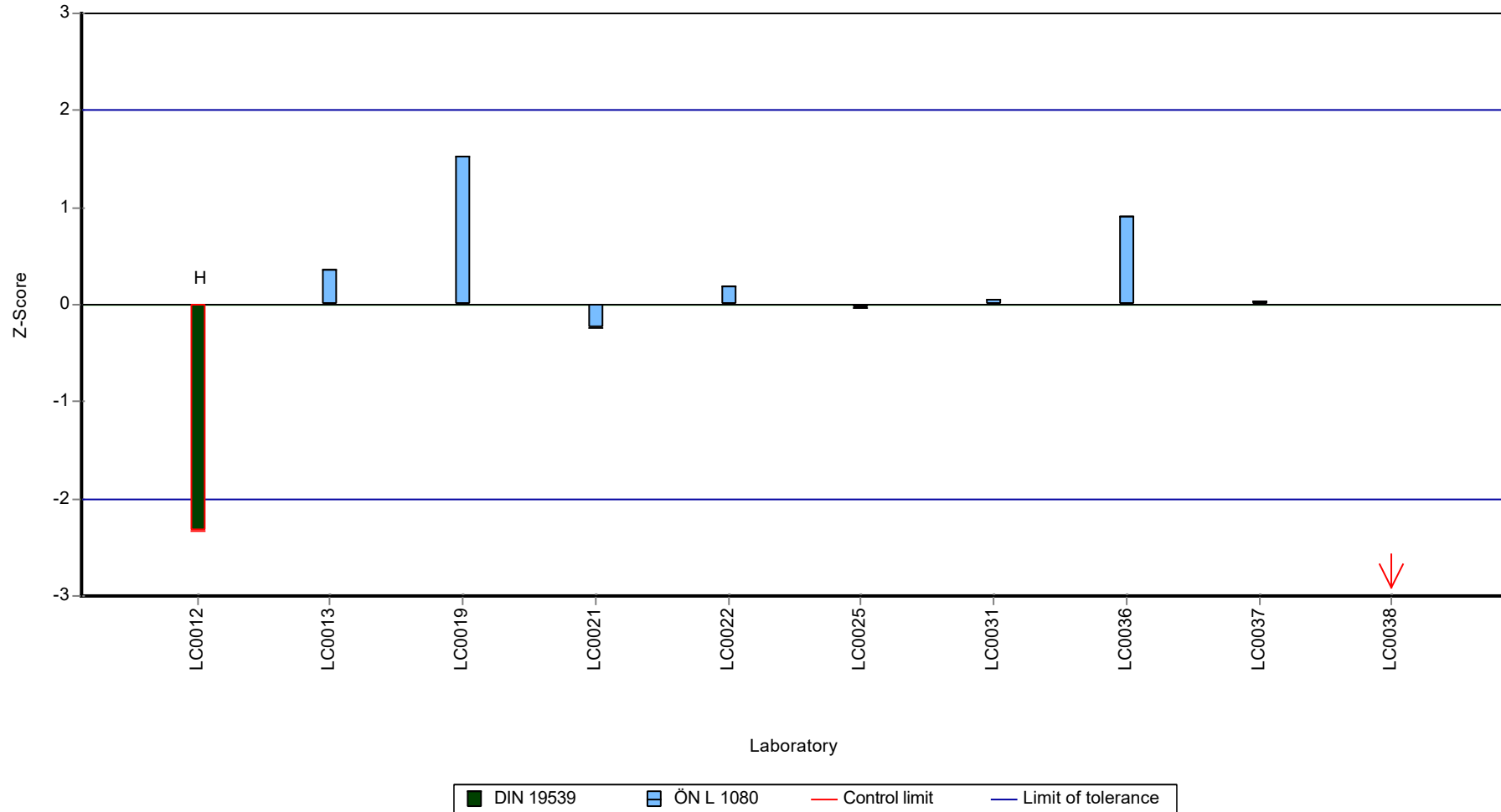
Recovery rate



Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: TOC_(ON L1080)

Z-score



Parameter oriented report Waste acc. to landfill
directive (Austria) (total content) - AB13

Sample: AB13, Parameter: LOI (550°C)

Parameter oriented report

AB13

LOI (550°C)

Unit	% dm
Assigned value ± U (k=2)	4.8 ± 0.0789
Criterion	0.48 (10 %)
Minimum - Maximum	4.37 - 5.43
Control test value ± U (k=2)	4.64 ± 0.473

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	4.71	0.00188	98.1	-0.19	
LC0002	4.85	0.049	101	0.1	
LC0003	4.84	0.65	101	0.08	
LC0004	4.55	0.45	94.7	-0.53	
LC0005	4.84	0.0484	101	0.08	
LC0006	5.2	0.52	108	0.83	
LC0007	4.69	0.33	97.6	-0.24	
LC0008	4.61	0.23	96	-0.4	
LC0009	4.62	0.15	96.2	-0.38	
LC0010	4.68	0.023	97.4	-0.26	
LC0011	4.63	0.565	96.4	-0.36	
LC0012	4.81	0.19	100	0.01	
LC0013	4.9	0.49	102	0.2	
LC0014	5.37	0.046	112	1.18	
LC0015	4.5	0.01	93.7	-0.63	
LC0016	4.8	0.29	99.9	-0.01	
LC0017	5.43	0.2	113	1.3	
LC0018	4.7	0.16	97.8	-0.22	
LC0019	4.7	0.235	97.8	-0.22	
LC0020	-	-	-	-	
LC0021	4.82	0.58	100	0.03	
LC0022	4.8	0.07	99.9	-0.01	
LC0023	4.6	0.46	95.8	-0.42	
LC0024	5	0.5	104	0.41	
LC0025	4.55	0.182	94.7	-0.53	
LC0026	5.2	0.54	108	0.83	
LC0027	4.66	0.47	97	-0.3	
LC0028	4.9	0.3675	102	0.2	
LC0029	4.37	0.00026	91	-0.9	
LC0030	5.02	0.75	105	0.45	
LC0031	4.79	0.713	99.7	-0.03	
LC0032	3.81	0.762	79.3	-2.07	H
LC0033	-	-	-	-	
LC0034	4.43	0.014	92.2	-0.78	
LC0035	5.15	0.5	107	0.72	
LC0036	4.11	0.33	85.6	-1.44	H
LC0037	4.8	0.48	99.9	-0.01	
LC0038	4.63	0.15	96.4	-0.36	
LC0039	4.82	0.482	100	0.03	
LC0040	4.92	0.057	102	0.24	

Parameter oriented report Waste acc. to landfill
directive (Austria) (total content) - AB13

Sample: AB13, Parameter: LOI (550°C)

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0041	4.84	0.484	101	0.08	

Characteristics of parameter

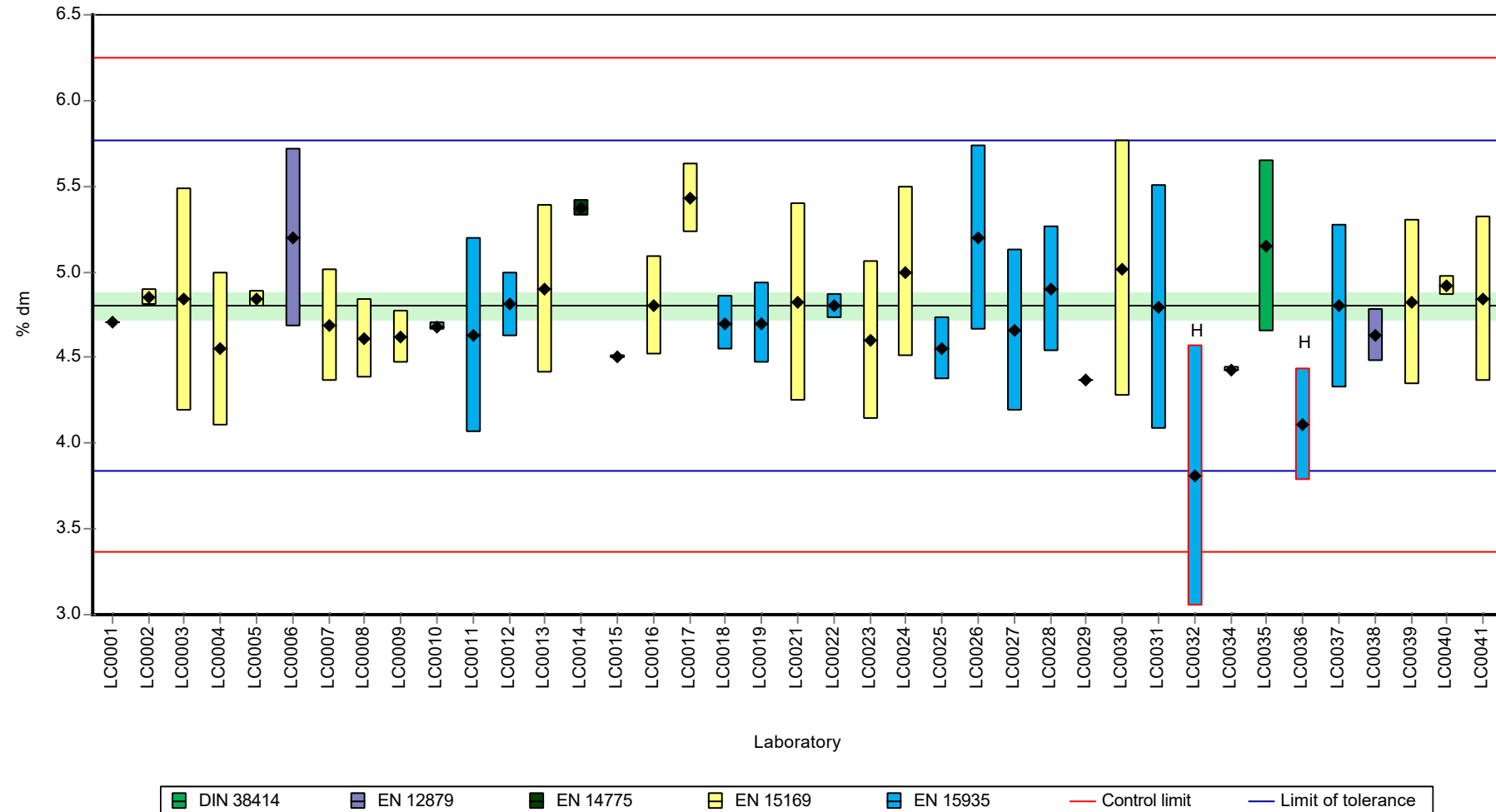
	all results	w without outliers	Unit
Mean ± CI (99%)	4.76 ± 0.145	4.8 ± 0.118	% dm
Minimum	3.81	4.37	% dm
Maximum	5.43	5.43	% dm
Standard deviation	0.302	0.24	% dm
rel. standard deviation	6.35	4.99	%
n	39	37	-

Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: LOI (550°C)

Graphical presentation of results

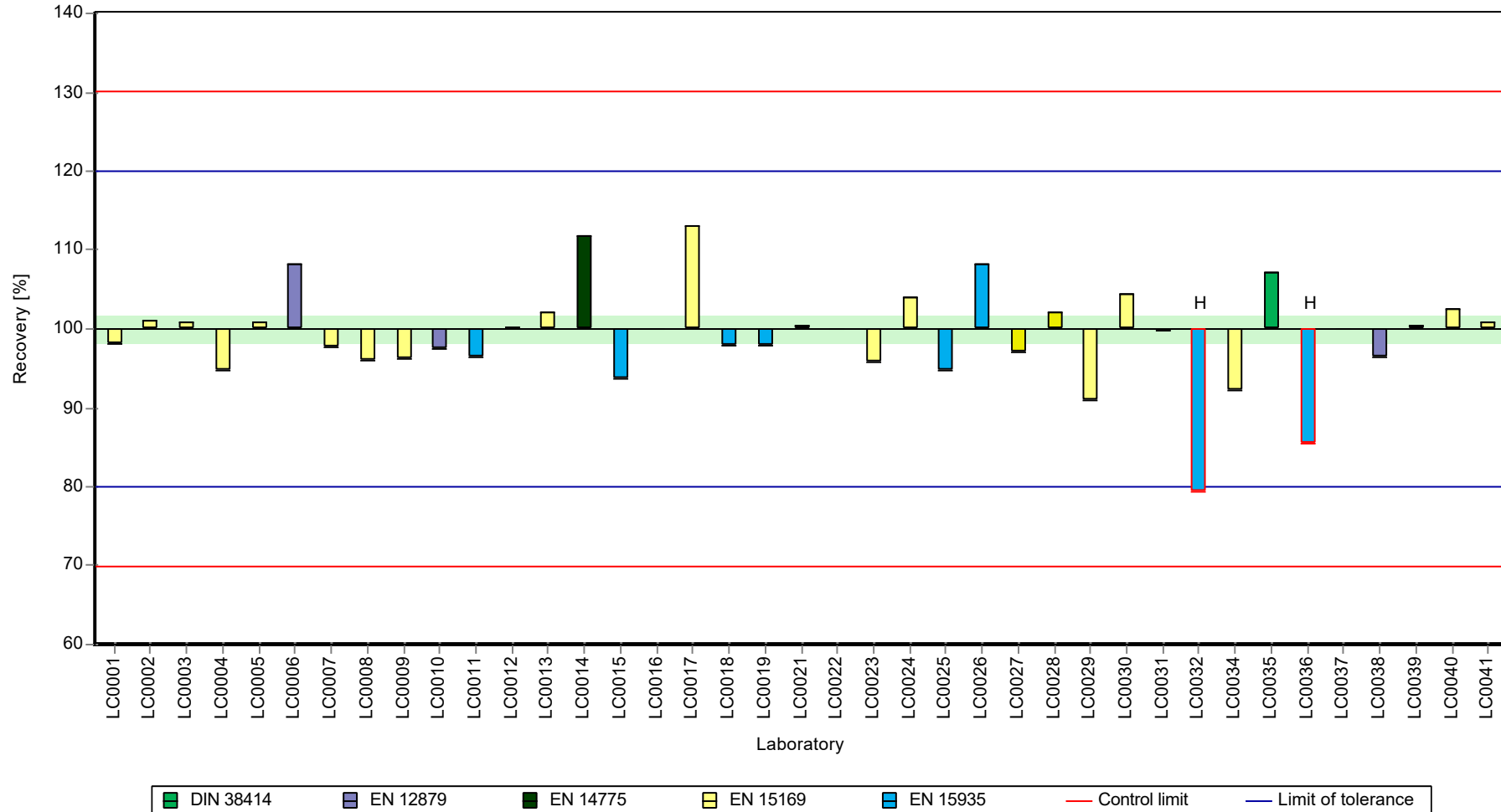
Results



Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: LOI (550°C)

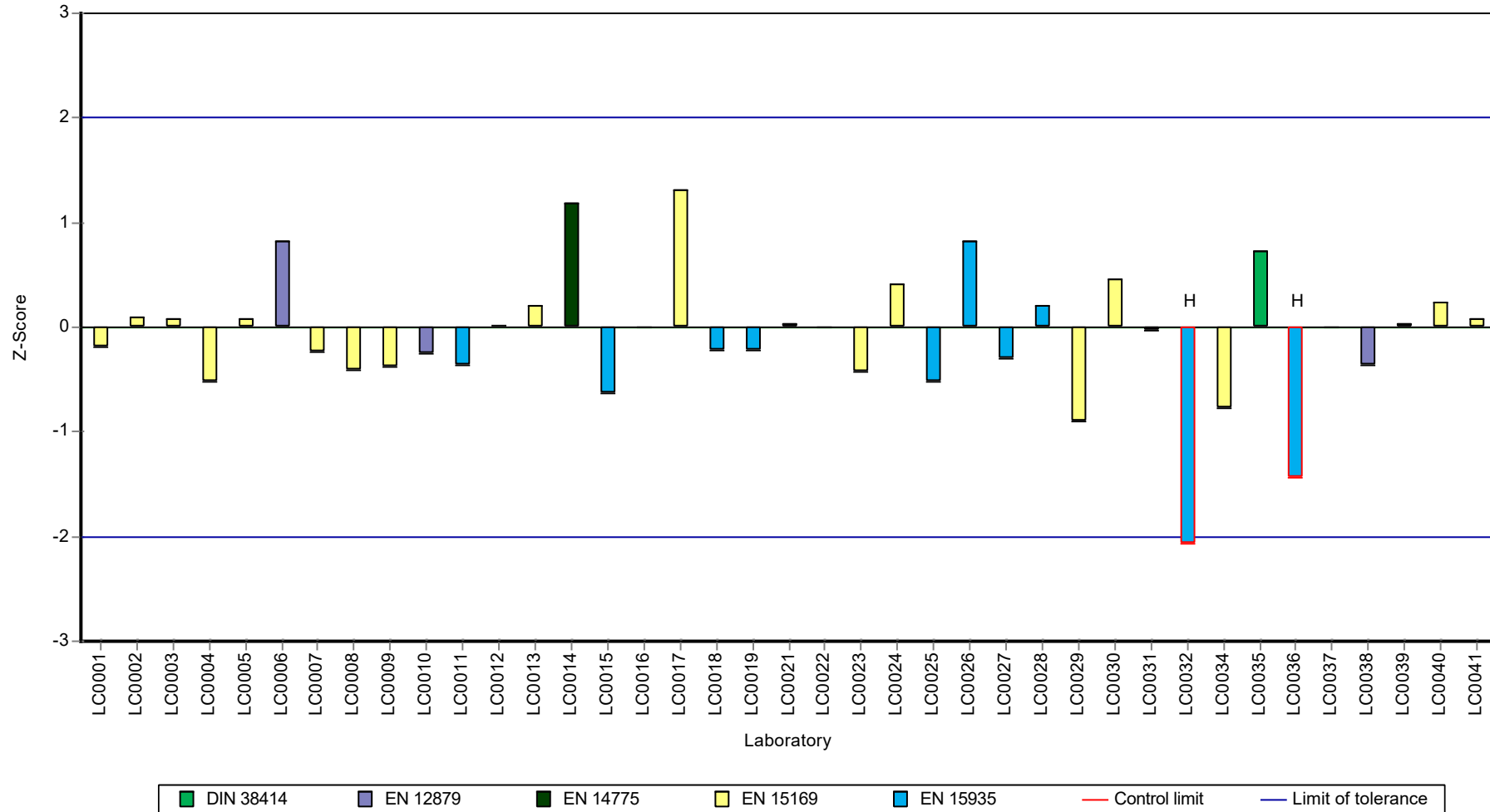
Recovery rate



Parameter oriented report Waste acc. to landfill directive (Austria) (total content) - AB13

Sample: AB13, Parameter: LOI (550°C)

Z-score



E8. Labororientierte Auswertung / Laboratory oriented report

Die Labororientierte Auswertung ist nach dem Laborcode sortiert.

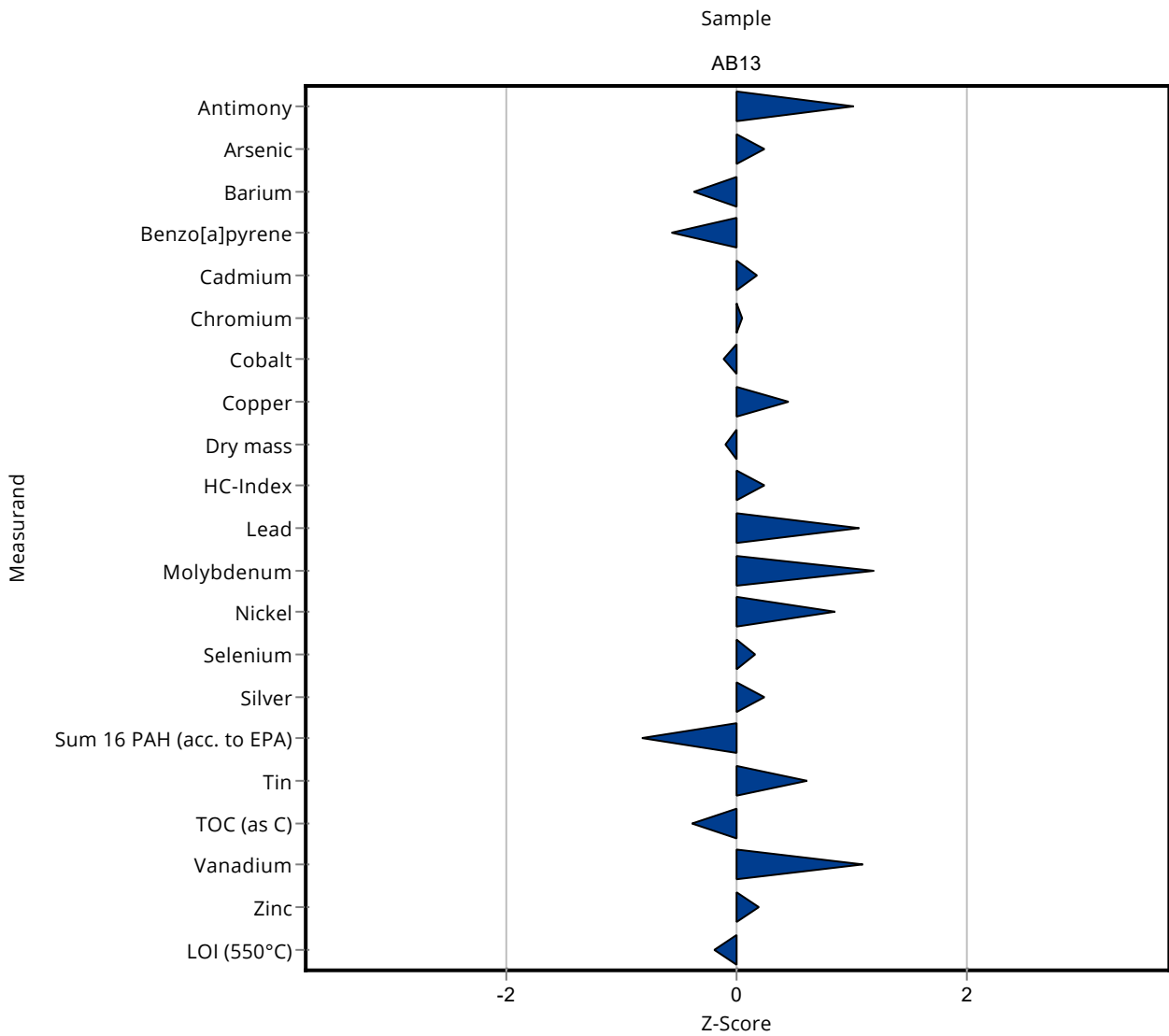
The laboratory oriented report is sorted by laboratory code.

Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13

Labcode: LC0001

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Antimony	mg/kg DM	92.9 ± 4.8	107 ± 4.3	13.9	115	1.02
Arsenic	mg/kg DM	5.58 ± 0.298	5.78 ± 0.15	0.837	104	0.24
Barium	mg/kg DM	8850 ± 1720	7508 ± 210	3540	84.8	-0.38
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	0.0765 ± 0.0078	0.0494	72.8	-0.58
Cadmium	mg/kg DM	1.04 ± 0.0519	1.07 ± 0.037	0.156	103	0.18
Chromium	mg/kg DM	522 ± 29.2	525 ± 31	78.3	101	0.04
Cobalt	mg/kg DM	71.1 ± 5.14	69.5 ± 4.1	12.8	97.7	-0.13
Copper	mg/kg DM	2260 ± 43.6	2355 ± 47	226	104	0.44
Dry mass	%	99.4 ± 0.0533	99.34 ± 1.5	0.497	99.9	-0.11
HC-Index	mg/kg DM	1160 ± 157	1258 ± 140	407	108	0.23
Lead	mg/kg DM	165 ± 7.67	188 ± 5.9	21.5	114	1.06
Mercury	mg/kg DM	- ± -	0.0174 ± 0.001	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	178 ± 8.6	15.9	112	1.19
Nickel	mg/kg DM	490 ± 15.7	531 ± 22	49	108	0.84
Selenium	mg/kg DM	1.25 ± 0.248	1.32 ± 0.04	0.414	105	0.16
Silver	mg/kg DM	5.48 ± 0.345	5.69 ± 0.26	0.877	104	0.24
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	1.33 ± 0.17	0.683	70.1	-0.83
Tin	mg/kg DM	232 ± 12.3	253 ± 5.7	34.8	109	0.60
TOC (as C)	mg/kg DM	38100 ± 846	36570 ± 1722	3810	96.1	-0.39
Vanadium	mg/kg DM	106 ± 5.84	124 ± 20	16	116	1.10
Zinc	mg/kg DM	3820 ± 88.8	3895 ± 156	382	102	0.19
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	4.71 ± 0.001884	0.48	98.1	-0.19

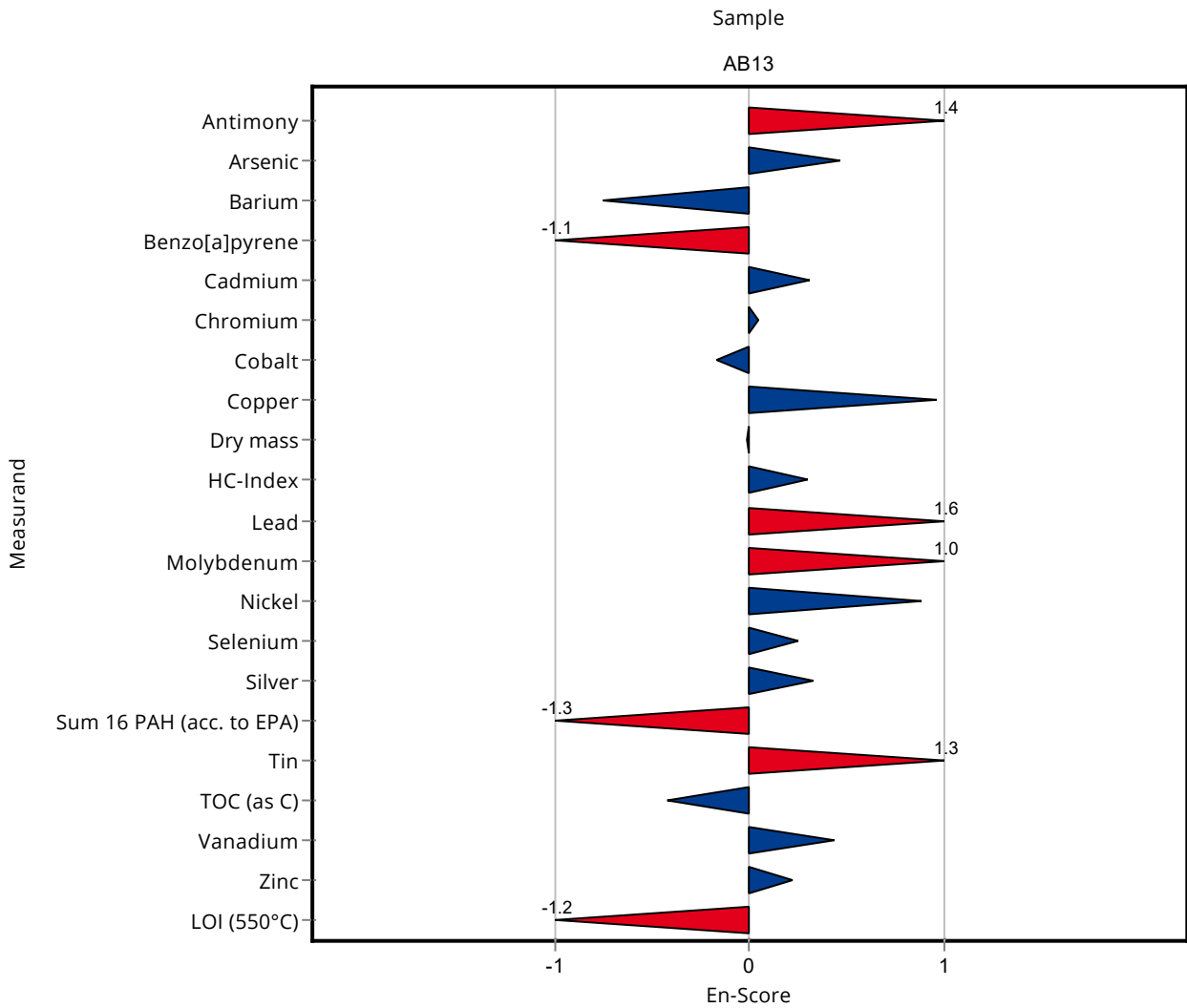


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13 - En-Score

Labcode: LC0001

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Antimony	mg/kg DM	92.9 ± 4.8	107 ± 4.3	13.9	115	1.44
Arsenic	mg/kg DM	5.58 ± 0.298	5.78 ± 0.15	0.837	104	0.47
Barium	mg/kg DM	8850 ± 1720	7508 ± 210	3540	84.8	-0.76
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	0.0765 ± 0.0078	0.0494	72.8	-1.07
Cadmium	mg/kg DM	1.04 ± 0.0519	1.07 ± 0.037	0.156	103	0.31
Chromium	mg/kg DM	522 ± 29.2	525 ± 31	78.3	101	0.04
Cobalt	mg/kg DM	71.1 ± 5.14	69.5 ± 4.1	12.8	97.7	-0.17
Copper	mg/kg DM	2260 ± 43.6	2355 ± 47	226	104	0.96
Dry mass	%	99.4 ± 0.0533	99.34 ± 1.5	0.497	99.9	-0.02
HC-Index	mg/kg DM	1160 ± 157	1258 ± 140	407	108	0.29
Lead	mg/kg DM	165 ± 7.67	188 ± 5.9	21.5	114	1.62
Mercury	mg/kg DM	- ± -	0.0174 ± 0.001	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	178 ± 8.6	15.9	112	1.04
Nickel	mg/kg DM	490 ± 15.7	531 ± 22	49	108	0.89
Selenium	mg/kg DM	1.25 ± 0.248	1.32 ± 0.04	0.414	105	0.25
Silver	mg/kg DM	5.48 ± 0.345	5.69 ± 0.26	0.877	104	0.33
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	1.33 ± 0.17	0.683	70.1	-1.29
Tin	mg/kg DM	232 ± 12.3	253 ± 5.7	34.8	109	1.25
TOC (as C)	mg/kg DM	38100 ± 846	36570 ± 1722	3810	96.1	-0.42
Vanadium	mg/kg DM	106 ± 5.84	124 ± 20	16	116	0.43
Zinc	mg/kg DM	3820 ± 88.8	3895 ± 156	382	102	0.22
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	4.71 ± 0.001884	0.48	98.1	-1.18

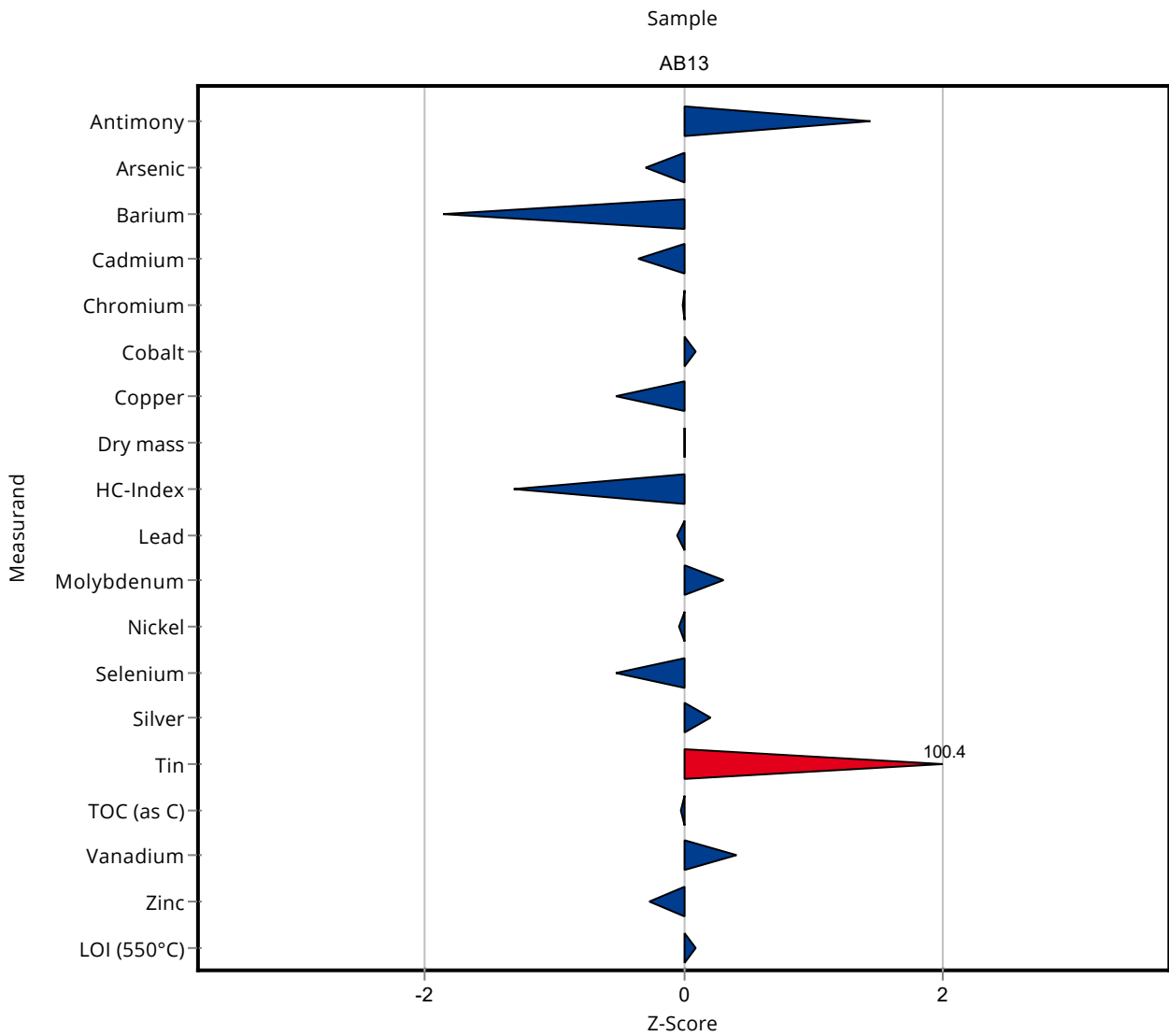


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13

Labcode: LC0002

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Antimony	mg/kg DM	92.9 ± 4.8	113 ± 34	13.9	122	1.45
Arsenic	mg/kg DM	5.58 ± 0.298	5.34 ± 1.1	0.837	95.6	-0.29
Barium	mg/kg DM	8850 ± 1720	2287 ± 572	3540	25.8	-1.85
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	- ± -	0.0494	-	-
Cadmium	mg/kg DM	1.04 ± 0.0519	0.987 ± 0.25	0.156	94.7	-0.35
Chromium	mg/kg DM	522 ± 29.2	521 ± 156	78.3	99.8	-0.01
Cobalt	mg/kg DM	71.1 ± 5.14	72.3 ± 22	12.8	102	0.09
Copper	mg/kg DM	2260 ± 43.6	2139 ± 535	226	94.8	-0.52
Dry mass	%	99.4 ± 0.0533	99.4 ± 4.97	0.497	100	0.01
HC-Index	mg/kg DM	1160 ± 157	631.03 ± 157.76	407	54.2	-1.31
Lead	mg/kg DM	165 ± 7.67	164 ± 41	21.5	99.3	-0.06
Mercury	mg/kg DM	- ± -	0.049 ± 0.01	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	164 ± 74	15.9	103	0.31
Nickel	mg/kg DM	490 ± 15.7	488 ± 146	49	99.7	-0.03
Selenium	mg/kg DM	1.25 ± 0.248	1.04 ± 0.31	0.414	82.9	-0.52
Silver	mg/kg DM	5.48 ± 0.345	5.67 ± 1.7	0.877	103	0.21
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	- ± -	0.683	-	-
Tin	mg/kg DM	232 ± 12.3	3724 ± 931	34.8	1610	100.35
TOC (as C)	mg/kg DM	38100 ± 846	37978 ± 5317	3810	99.8	-0.02
Vanadium	mg/kg DM	106 ± 5.84	113 ± 28	16	106	0.41
Zinc	mg/kg DM	3820 ± 88.8	3724 ± 931	382	97.4	-0.26
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	4.85 ± 0.049	0.48	101	0.10

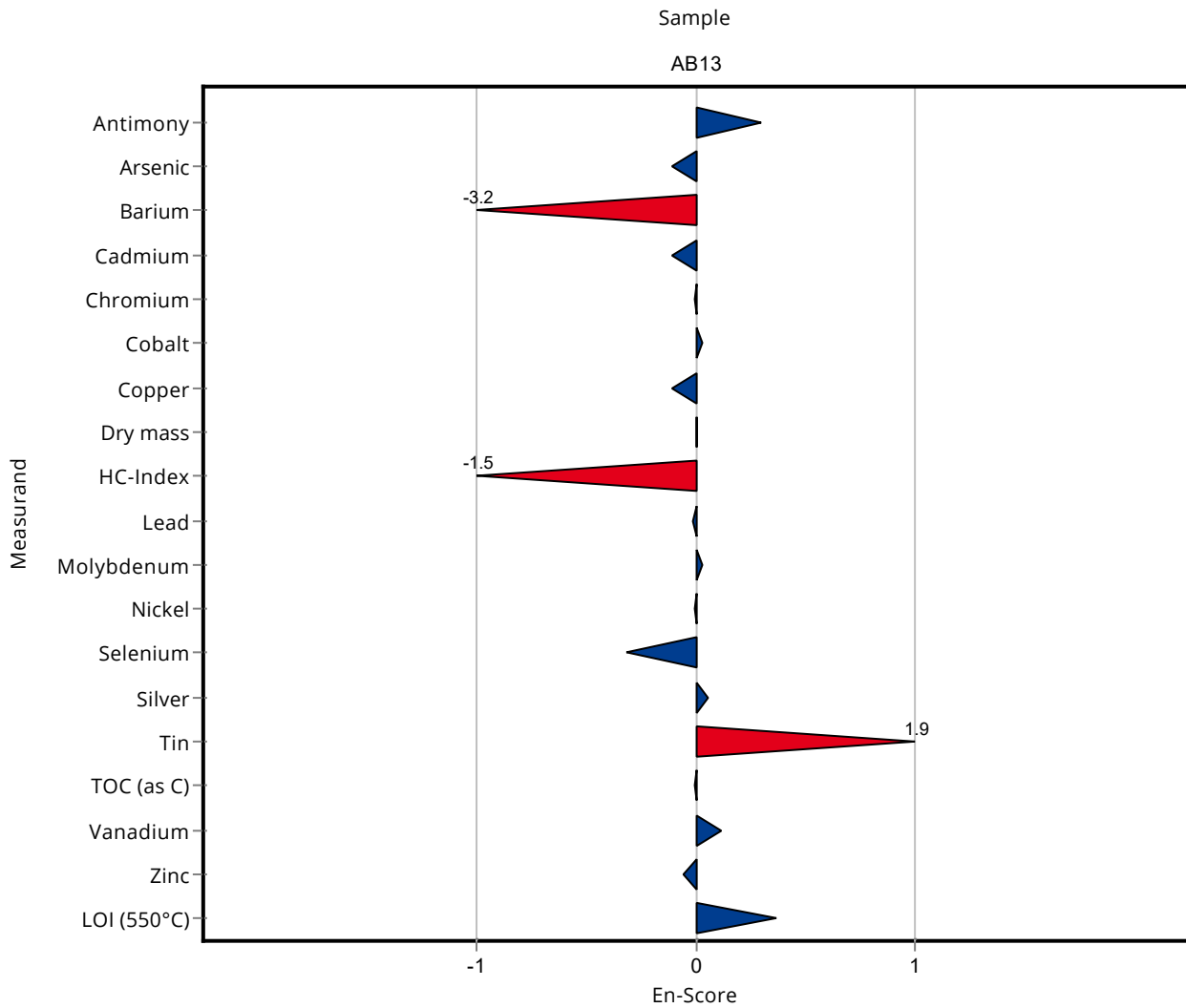


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13 - En-Score

Labcode: LC0002

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Antimony	mg/kg DM	92.9 ± 4.8	113 ± 34	13.9	122	0.30
Arsenic	mg/kg DM	5.58 ± 0.298	5.34 ± 1.1	0.837	95.6	-0.11
Barium	mg/kg DM	8850 ± 1720	2287 ± 572	3540	25.8	-3.18
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	- ± -	0.0494	-	-
Cadmium	mg/kg DM	1.04 ± 0.0519	0.987 ± 0.25	0.156	94.7	-0.11
Chromium	mg/kg DM	522 ± 29.2	521 ± 156	78.3	99.8	0.00
Cobalt	mg/kg DM	71.1 ± 5.14	72.3 ± 22	12.8	102	0.03
Copper	mg/kg DM	2260 ± 43.6	2139 ± 535	226	94.8	-0.11
Dry mass	%	99.4 ± 0.0533	99.4 ± 4.97	0.497	100	0.00
HC-Index	mg/kg DM	1160 ± 157	631.03 ± 157.76	407	54.2	-1.51
Lead	mg/kg DM	165 ± 7.67	164 ± 41	21.5	99.3	-0.01
Mercury	mg/kg DM	- ± -	0.049 ± 0.01	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	164 ± 74	15.9	103	0.03
Nickel	mg/kg DM	490 ± 15.7	488 ± 146	49	99.7	-0.01
Selenium	mg/kg DM	1.25 ± 0.248	1.04 ± 0.31	0.414	82.9	-0.32
Silver	mg/kg DM	5.48 ± 0.345	5.67 ± 1.7	0.877	103	0.05
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	- ± -	0.683	-	-
Tin	mg/kg DM	232 ± 12.3	3724 ± 931	34.8	1610	1.88
TOC (as C)	mg/kg DM	38100 ± 846	37978 ± 5317	3810	99.8	-0.01
Vanadium	mg/kg DM	106 ± 5.84	113 ± 28	16	106	0.12
Zinc	mg/kg DM	3820 ± 88.8	3724 ± 931	382	97.4	-0.05
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	4.85 ± 0.049	0.48	101	0.37

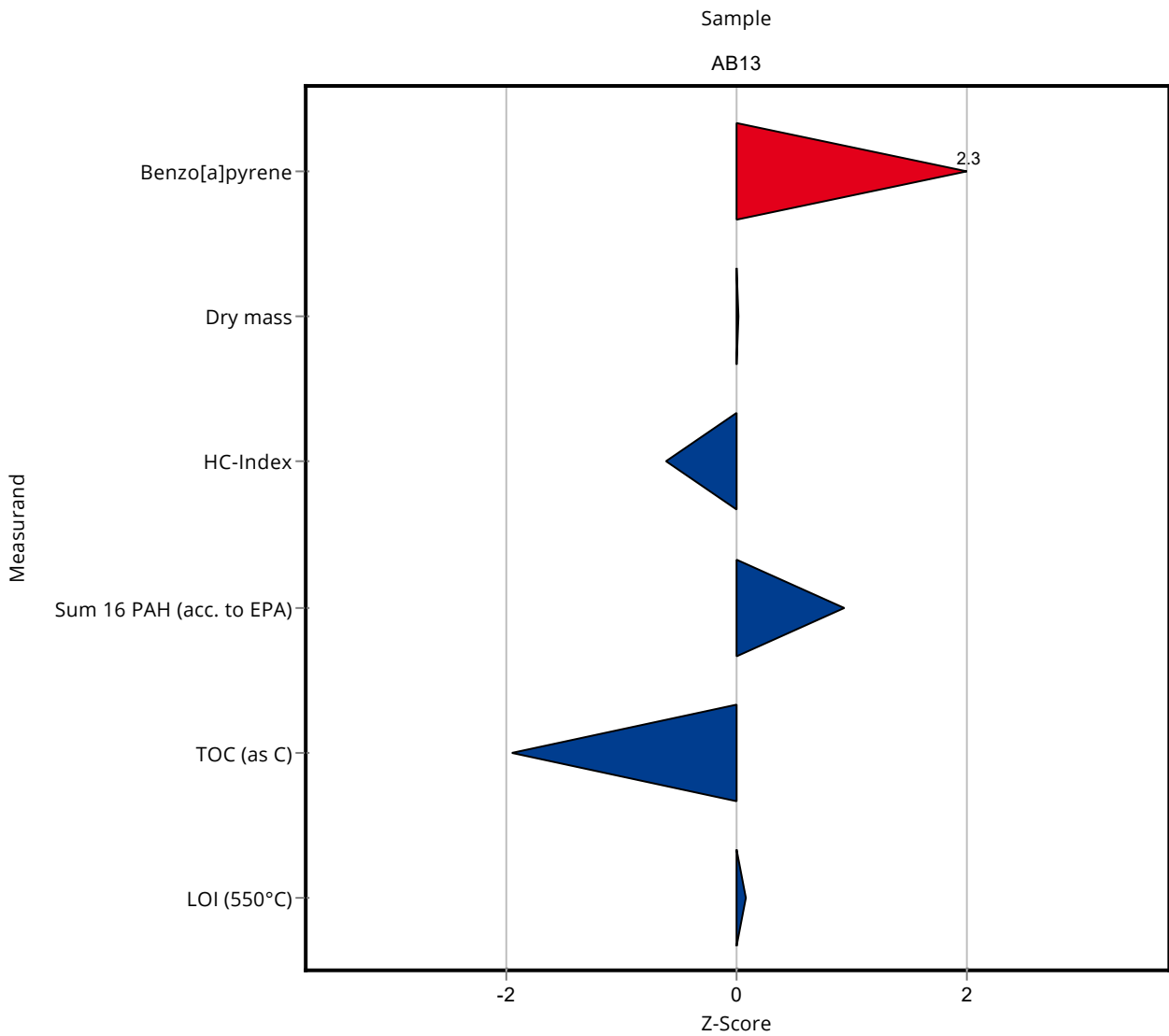


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13

Labcode: LC0003

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Antimony	mg/kg DM	92.9 ± 4.8	- ± -	13.9	-	-
Arsenic	mg/kg DM	5.58 ± 0.298	- ± -	0.837	-	-
Barium	mg/kg DM	8850 ± 1720	- ± -	3540	-	-
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	0.217 ± 0.017	0.0494	207	2.27
Cadmium	mg/kg DM	1.04 ± 0.0519	- ± -	0.156	-	-
Chromium	mg/kg DM	522 ± 29.2	- ± -	78.3	-	-
Cobalt	mg/kg DM	71.1 ± 5.14	- ± -	12.8	-	-
Copper	mg/kg DM	2260 ± 43.6	- ± -	226	-	-
Dry mass	%	99.4 ± 0.0533	99.4 ± 0.39	0.497	100	0.01
HC-Index	mg/kg DM	1160 ± 157	909 ± 263	407	78.1	-0.63
Lead	mg/kg DM	165 ± 7.67	- ± -	21.5	-	-
Mercury	mg/kg DM	- ± -	- ± -	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	- ± -	15.9	-	-
Nickel	mg/kg DM	490 ± 15.7	- ± -	49	-	-
Selenium	mg/kg DM	1.25 ± 0.248	- ± -	0.414	-	-
Silver	mg/kg DM	5.48 ± 0.345	- ± -	0.877	-	-
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	2.53 ± 0.301	0.683	133	0.93
Tin	mg/kg DM	232 ± 12.3	- ± -	34.8	-	-
TOC (as C)	mg/kg DM	38100 ± 846	30600 ± 3000	3810	80.4	-1.96
Vanadium	mg/kg DM	106 ± 5.84	- ± -	16	-	-
Zinc	mg/kg DM	3820 ± 88.8	- ± -	382	-	-
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	4.84 ± 0.65	0.48	101	0.08

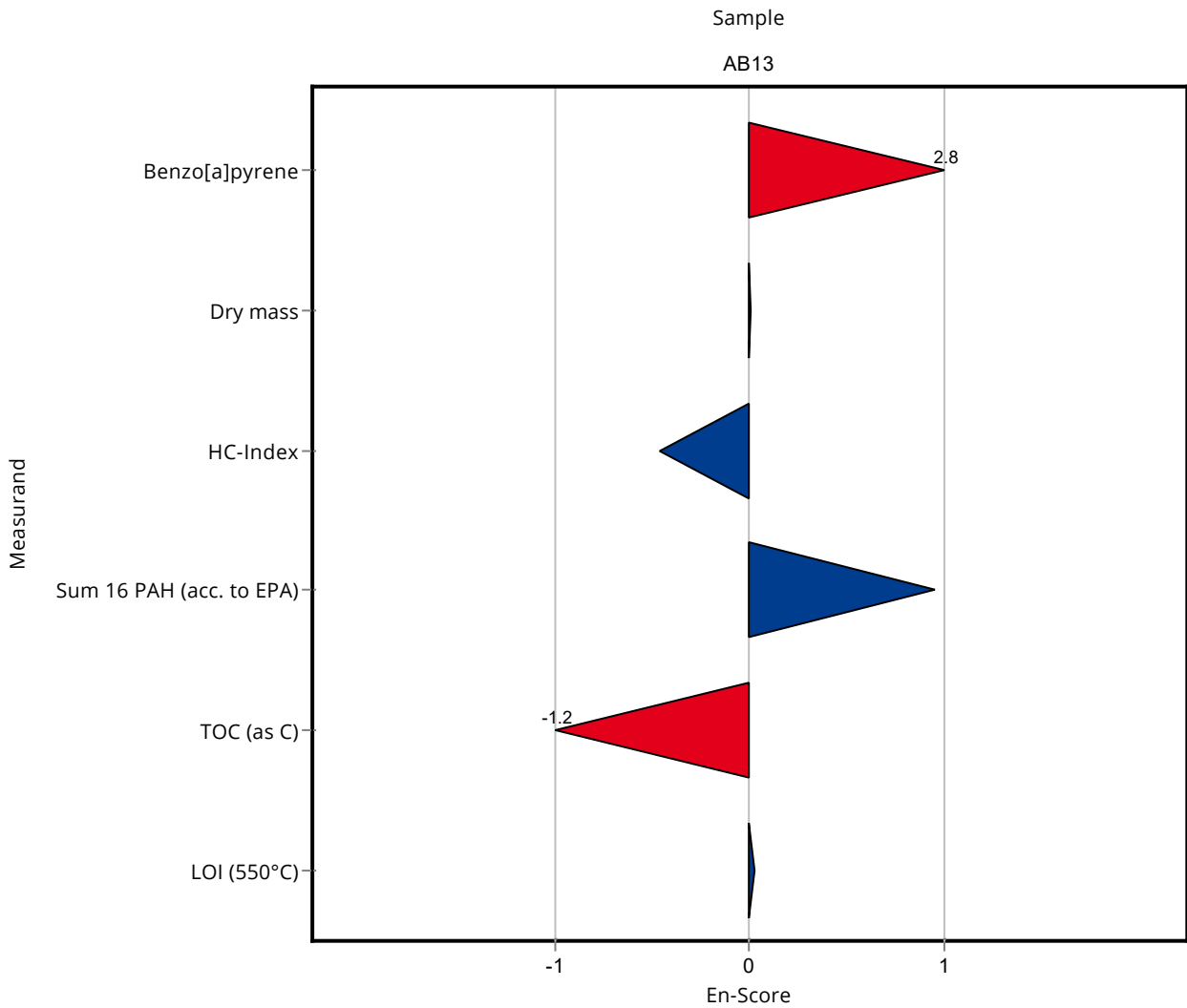


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13 - En-Score

Labcode: LC0003

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Antimony	mg/kg DM	92.9 ± 4.8	- ± -	13.9	-	-
Arsenic	mg/kg DM	5.58 ± 0.298	- ± -	0.837	-	-
Barium	mg/kg DM	8850 ± 1720	- ± -	3540	-	-
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	0.217 ± 0.017	0.0494	207	2.78
Cadmium	mg/kg DM	1.04 ± 0.0519	- ± -	0.156	-	-
Chromium	mg/kg DM	522 ± 29.2	- ± -	78.3	-	-
Cobalt	mg/kg DM	71.1 ± 5.14	- ± -	12.8	-	-
Copper	mg/kg DM	2260 ± 43.6	- ± -	226	-	-
Dry mass	%	99.4 ± 0.0533	99.4 ± 0.39	0.497	100	0.01
HC-Index	mg/kg DM	1160 ± 157	909 ± 263	407	78.1	-0.46
Lead	mg/kg DM	165 ± 7.67	- ± -	21.5	-	-
Mercury	mg/kg DM	- ± -	- ± -	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	- ± -	15.9	-	-
Nickel	mg/kg DM	490 ± 15.7	- ± -	49	-	-
Selenium	mg/kg DM	1.25 ± 0.248	- ± -	0.414	-	-
Silver	mg/kg DM	5.48 ± 0.345	- ± -	0.877	-	-
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	2.53 ± 0.301	0.683	133	0.96
Tin	mg/kg DM	232 ± 12.3	- ± -	34.8	-	-
TOC (as C)	mg/kg DM	38100 ± 846	30600 ± 3000	3810	80.4	-1.23
Vanadium	mg/kg DM	106 ± 5.84	- ± -	16	-	-
Zinc	mg/kg DM	3820 ± 88.8	- ± -	382	-	-
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	4.84 ± 0.65	0.48	101	0.03

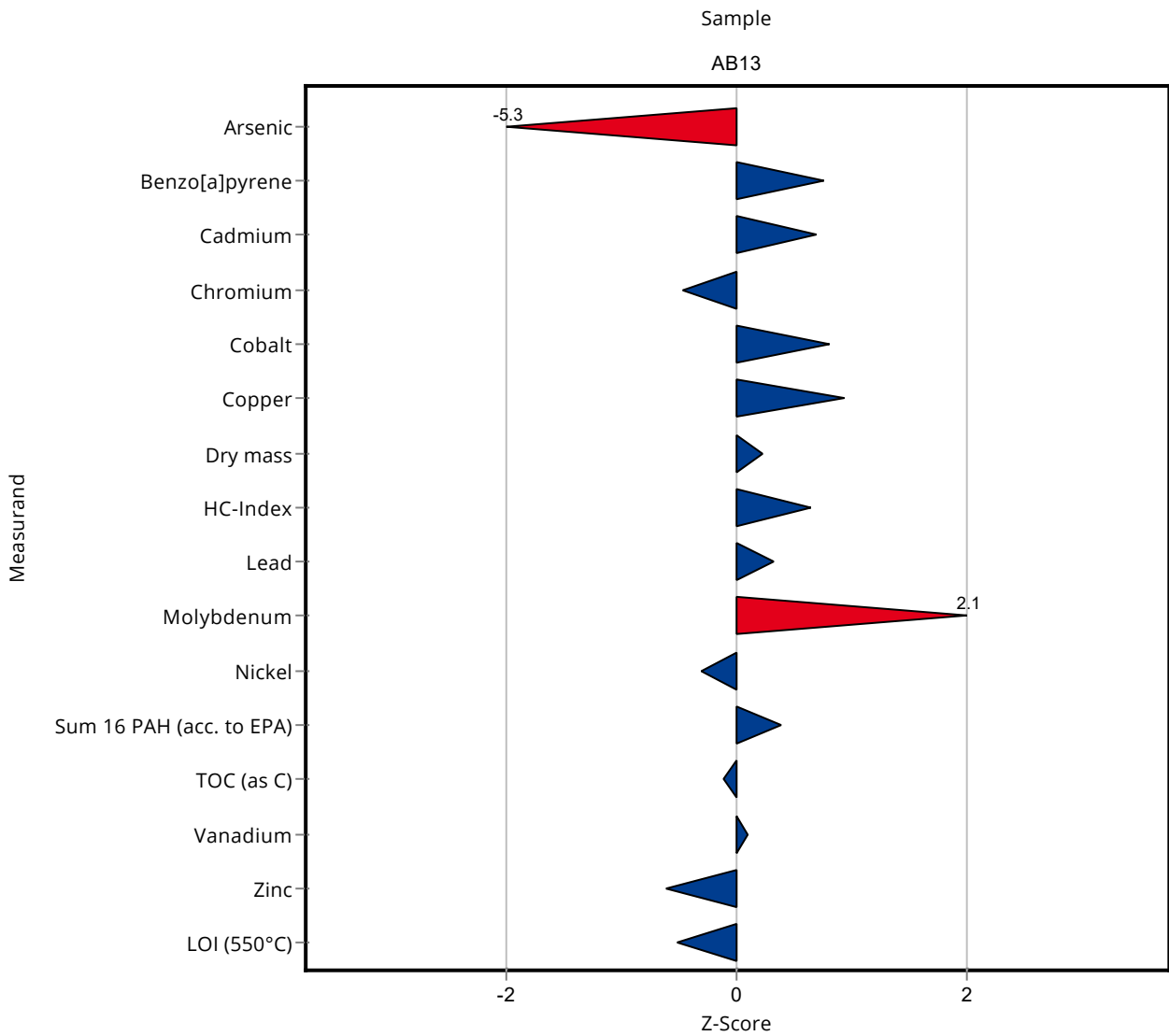


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13

Labcode: LC0004

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Antimony	mg/kg DM	92.9 ± 4.8	- ± -	13.9	-	-
Arsenic	mg/kg DM	5.58 ± 0.298	1.16 ± 0.2	0.837	20.8	-5.28
Barium	mg/kg DM	8850 ± 1720	- ± -	3540	-	-
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	0.142 ± 0.03	0.0494	135	0.75
Cadmium	mg/kg DM	1.04 ± 0.0519	1.15 ± 0.33	0.156	110	0.69
Chromium	mg/kg DM	522 ± 29.2	485 ± 140	78.3	92.9	-0.47
Cobalt	mg/kg DM	71.1 ± 5.14	81.3 ± 9.8	12.8	114	0.79
Copper	mg/kg DM	2260 ± 43.6	2466 ± 912	226	109	0.93
Dry mass	%	99.4 ± 0.0533	99.5 ± 5	0.497	100	0.21
HC-Index	mg/kg DM	1160 ± 157	1422 ± 498	407	122	0.63
Lead	mg/kg DM	165 ± 7.67	172 ± 33	21.5	104	0.32
Mercury	mg/kg DM	- ± -	0.023 ± 0.009	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	193 ± 19.5	15.9	121	2.13
Nickel	mg/kg DM	490 ± 15.7	474 ± 171	49	96.8	-0.32
Selenium	mg/kg DM	1.25 ± 0.248	- ± -	0.414	-	-
Silver	mg/kg DM	5.48 ± 0.345	- ± -	0.877	-	-
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	2.15 ± 0.65	0.683	113	0.37
Tin	mg/kg DM	232 ± 12.3	- ± -	34.8	-	-
TOC (as C)	mg/kg DM	38100 ± 846	37600 ± 3760	3810	98.8	-0.12
Vanadium	mg/kg DM	106 ± 5.84	108 ± 18	16	101	0.09
Zinc	mg/kg DM	3820 ± 88.8	3588 ± 681	382	93.8	-0.62
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	4.55 ± 0.45	0.48	94.7	-0.53

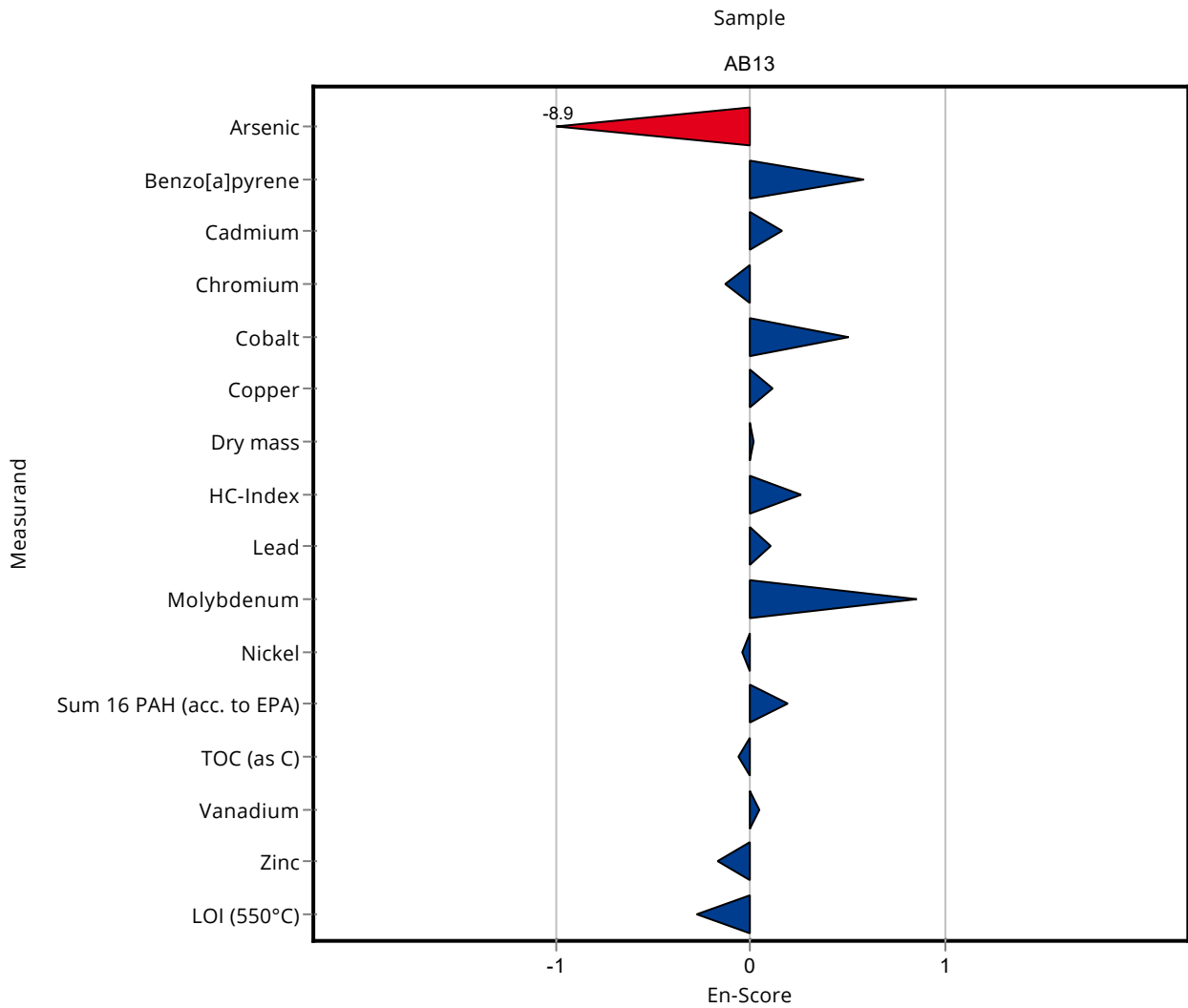


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13 - En-Score

Labcode: LC0004

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Antimony	mg/kg DM	92.9 ± 4.8	- ± -	13.9	-	-
Arsenic	mg/kg DM	5.58 ± 0.298	1.16 ± 0.2	0.837	20.8	-8.87
Barium	mg/kg DM	8850 ± 1720	- ± -	3540	-	-
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	0.142 ± 0.03	0.0494	135	0.58
Cadmium	mg/kg DM	1.04 ± 0.0519	1.15 ± 0.33	0.156	110	0.16
Chromium	mg/kg DM	522 ± 29.2	485 ± 140	78.3	92.9	-0.13
Cobalt	mg/kg DM	71.1 ± 5.14	81.3 ± 9.8	12.8	114	0.50
Copper	mg/kg DM	2260 ± 43.6	2466 ± 912	226	109	0.12
Dry mass	%	99.4 ± 0.0533	99.5 ± 5	0.497	100	0.01
HC-Index	mg/kg DM	1160 ± 157	1422 ± 498	407	122	0.26
Lead	mg/kg DM	165 ± 7.67	172 ± 33	21.5	104	0.10
Mercury	mg/kg DM	- ± -	0.023 ± 0.009	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	193 ± 19.5	15.9	121	0.86
Nickel	mg/kg DM	490 ± 15.7	474 ± 171	49	96.8	-0.05
Selenium	mg/kg DM	1.25 ± 0.248	- ± -	0.414	-	-
Silver	mg/kg DM	5.48 ± 0.345	- ± -	0.877	-	-
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	2.15 ± 0.65	0.683	113	0.19
Tin	mg/kg DM	232 ± 12.3	- ± -	34.8	-	-
TOC (as C)	mg/kg DM	38100 ± 846	37600 ± 3760	3810	98.8	-0.06
Vanadium	mg/kg DM	106 ± 5.84	108 ± 18	16	101	0.04
Zinc	mg/kg DM	3820 ± 88.8	3588 ± 681	382	93.8	-0.17
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	4.55 ± 0.45	0.48	94.7	-0.28

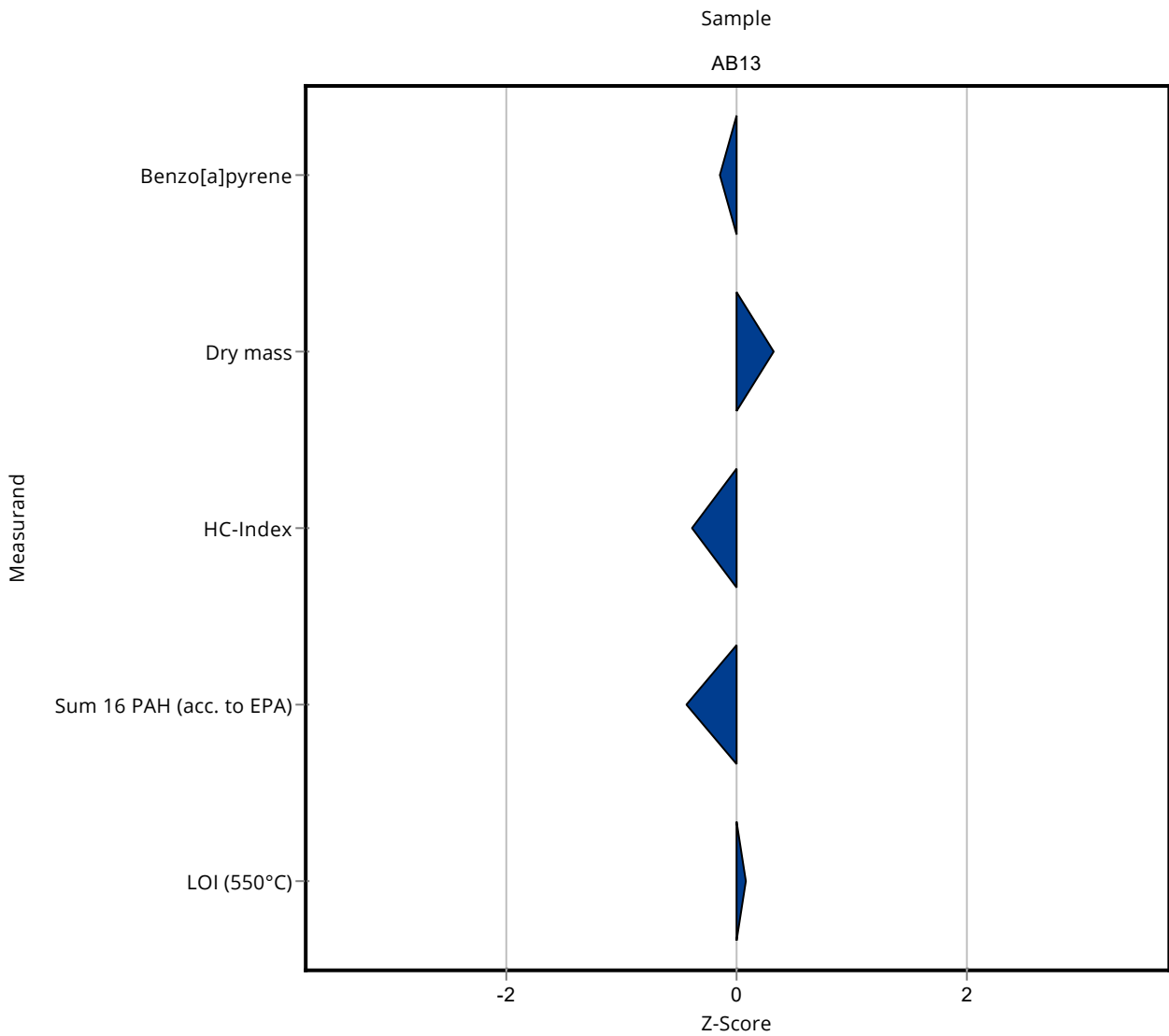


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13

Labcode: LC0005

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Antimony	mg/kg DM	92.9 ± 4.8	- ± -	13.9	-	-
Arsenic	mg/kg DM	5.58 ± 0.298	- ± -	0.837	-	-
Barium	mg/kg DM	8850 ± 1720	- ± -	3540	-	-
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	0.0976 ± 0.0098	0.0494	92.9	-0.15
Cadmium	mg/kg DM	1.04 ± 0.0519	- ± -	0.156	-	-
Chromium	mg/kg DM	522 ± 29.2	- ± -	78.3	-	-
Cobalt	mg/kg DM	71.1 ± 5.14	- ± -	12.8	-	-
Copper	mg/kg DM	2260 ± 43.6	- ± -	226	-	-
Dry mass	%	99.4 ± 0.0533	99.55 ± 2.49	0.497	100	0.31
HC-Index	mg/kg DM	1160 ± 157	1001.1 ± 100	407	86	-0.40
Lead	mg/kg DM	165 ± 7.67	- ± -	21.5	-	-
Mercury	mg/kg DM	- ± -	- ± -	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	- ± -	15.9	-	-
Nickel	mg/kg DM	490 ± 15.7	- ± -	49	-	-
Selenium	mg/kg DM	1.25 ± 0.248	- ± -	0.414	-	-
Silver	mg/kg DM	5.48 ± 0.345	- ± -	0.877	-	-
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	1.59 ± 0.159	0.683	83.8	-0.45
Tin	mg/kg DM	232 ± 12.3	- ± -	34.8	-	-
TOC (as C)	mg/kg DM	38100 ± 846	- ± -	3810	-	-
Vanadium	mg/kg DM	106 ± 5.84	- ± -	16	-	-
Zinc	mg/kg DM	3820 ± 88.8	- ± -	382	-	-
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	4.84 ± 0.0484	0.48	101	0.08

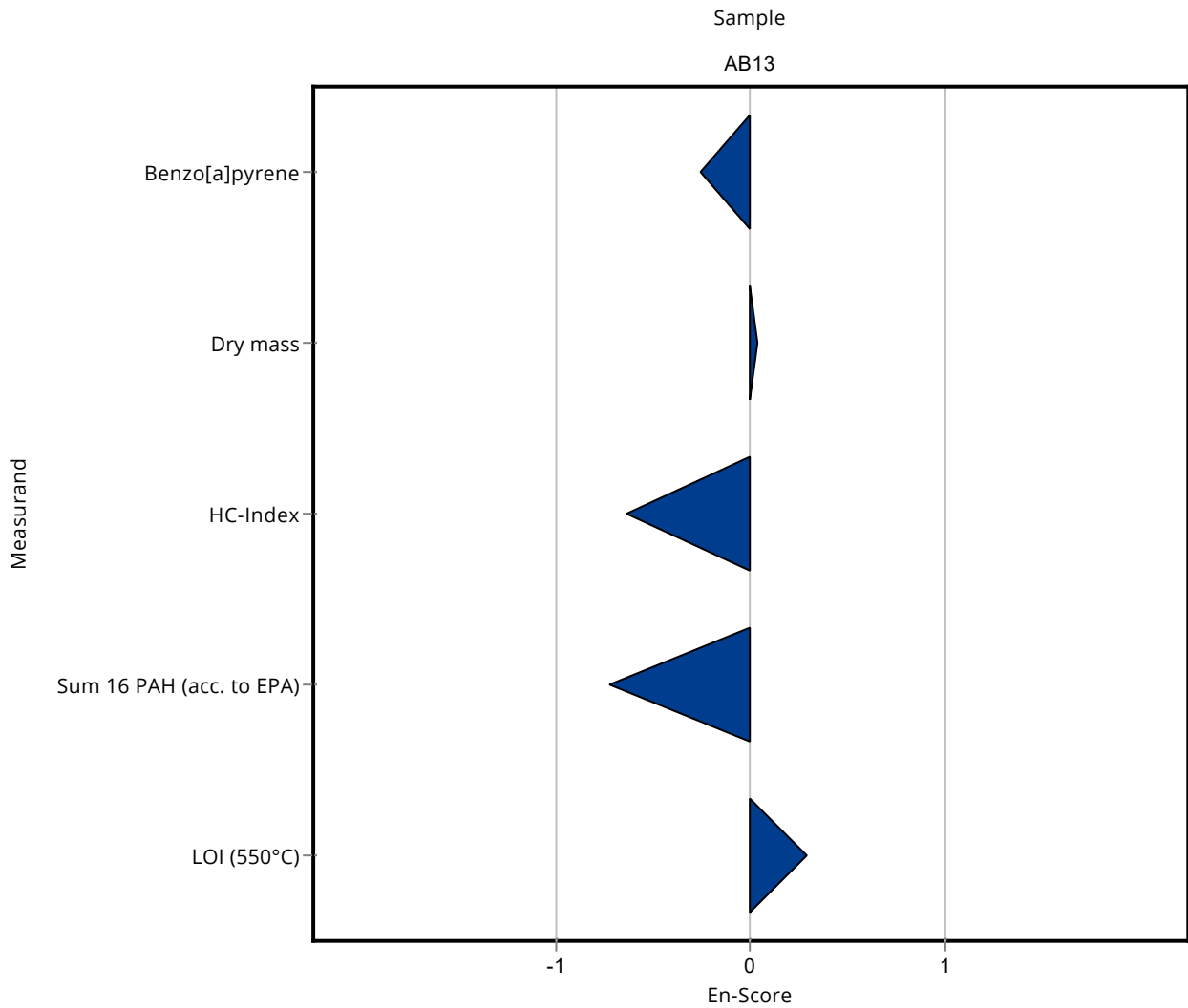


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13 - En-Score

Labcode: LC0005

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Antimony	mg/kg DM	92.9 ± 4.8	- ± -	13.9	-	-
Arsenic	mg/kg DM	5.58 ± 0.298	- ± -	0.837	-	-
Barium	mg/kg DM	8850 ± 1720	- ± -	3540	-	-
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	0.0976 ± 0.0098	0.0494	92.9	-0.26
Cadmium	mg/kg DM	1.04 ± 0.0519	- ± -	0.156	-	-
Chromium	mg/kg DM	522 ± 29.2	- ± -	78.3	-	-
Cobalt	mg/kg DM	71.1 ± 5.14	- ± -	12.8	-	-
Copper	mg/kg DM	2260 ± 43.6	- ± -	226	-	-
Dry mass	%	99.4 ± 0.0533	99.55 ± 2.49	0.497	100	0.03
HC-Index	mg/kg DM	1160 ± 157	1001.1 ± 100	407	86	-0.64
Lead	mg/kg DM	165 ± 7.67	- ± -	21.5	-	-
Mercury	mg/kg DM	- ± -	- ± -	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	- ± -	15.9	-	-
Nickel	mg/kg DM	490 ± 15.7	- ± -	49	-	-
Selenium	mg/kg DM	1.25 ± 0.248	- ± -	0.414	-	-
Silver	mg/kg DM	5.48 ± 0.345	- ± -	0.877	-	-
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	1.59 ± 0.159	0.683	83.8	-0.73
Tin	mg/kg DM	232 ± 12.3	- ± -	34.8	-	-
TOC (as C)	mg/kg DM	38100 ± 846	- ± -	3810	-	-
Vanadium	mg/kg DM	106 ± 5.84	- ± -	16	-	-
Zinc	mg/kg DM	3820 ± 88.8	- ± -	382	-	-
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	4.84 ± 0.0484	0.48	101	0.29

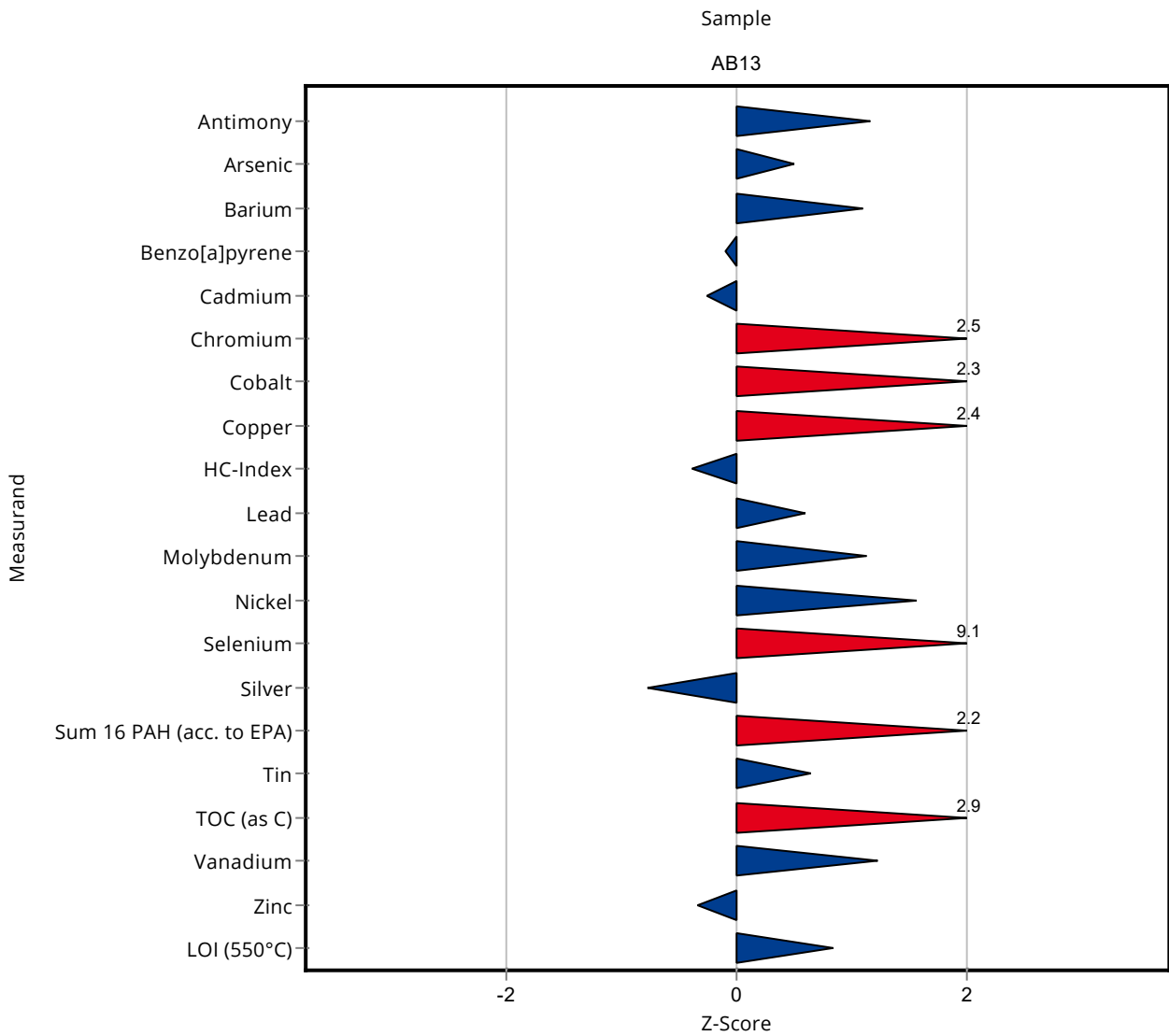


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13

Labcode: LC0006

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Antimony	mg/kg DM	92.9 ± 4.8	109 ± 22	13.9	117	1.16
Arsenic	mg/kg DM	5.58 ± 0.298	6 ± 1.6	0.837	107	0.50
Barium	mg/kg DM	8850 ± 1720	12713 ± 1271	3540	144	1.09
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	0.1 ± 0.01	0.0494	95.2	-0.10
Cadmium	mg/kg DM	1.04 ± 0.0519	1 ± 0.24	0.156	95.9	-0.27
Chromium	mg/kg DM	522 ± 29.2	714 ± 107	78.3	137	2.45
Cobalt	mg/kg DM	71.1 ± 5.14	101 ± 10	12.8	142	2.33
Copper	mg/kg DM	2260 ± 43.6	2793 ± 394	226	124	2.38
Dry mass	%	99.4 ± 0.0533	- ± -	0.497	-	-
HC-Index	mg/kg DM	1160 ± 157	1000 ± 112	407	85.9	-0.40
Lead	mg/kg DM	165 ± 7.67	178 ± 31	21.5	108	0.59
Mercury	mg/kg DM	- ± -	<0.1 (LOQ) ± -	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	177 ± 27	15.9	111	1.12
Nickel	mg/kg DM	490 ± 15.7	566 ± 169	49	116	1.56
Selenium	mg/kg DM	1.25 ± 0.248	5 ± 1	0.414	399	9.05
Silver	mg/kg DM	5.48 ± 0.345	4.8 ± 1	0.877	87.5	-0.78
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	3.4 ± 0.43	0.683	179	2.20
Tin	mg/kg DM	232 ± 12.3	254 ± 51	34.8	109	0.63
TOC (as C)	mg/kg DM	38100 ± 846	49100 ± 12766	3810	129	2.90
Vanadium	mg/kg DM	106 ± 5.84	126 ± 45	16	118	1.22
Zinc	mg/kg DM	3820 ± 88.8	3690 ± 712	382	96.5	-0.35
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	5.2 ± 0.52	0.48	108	0.83

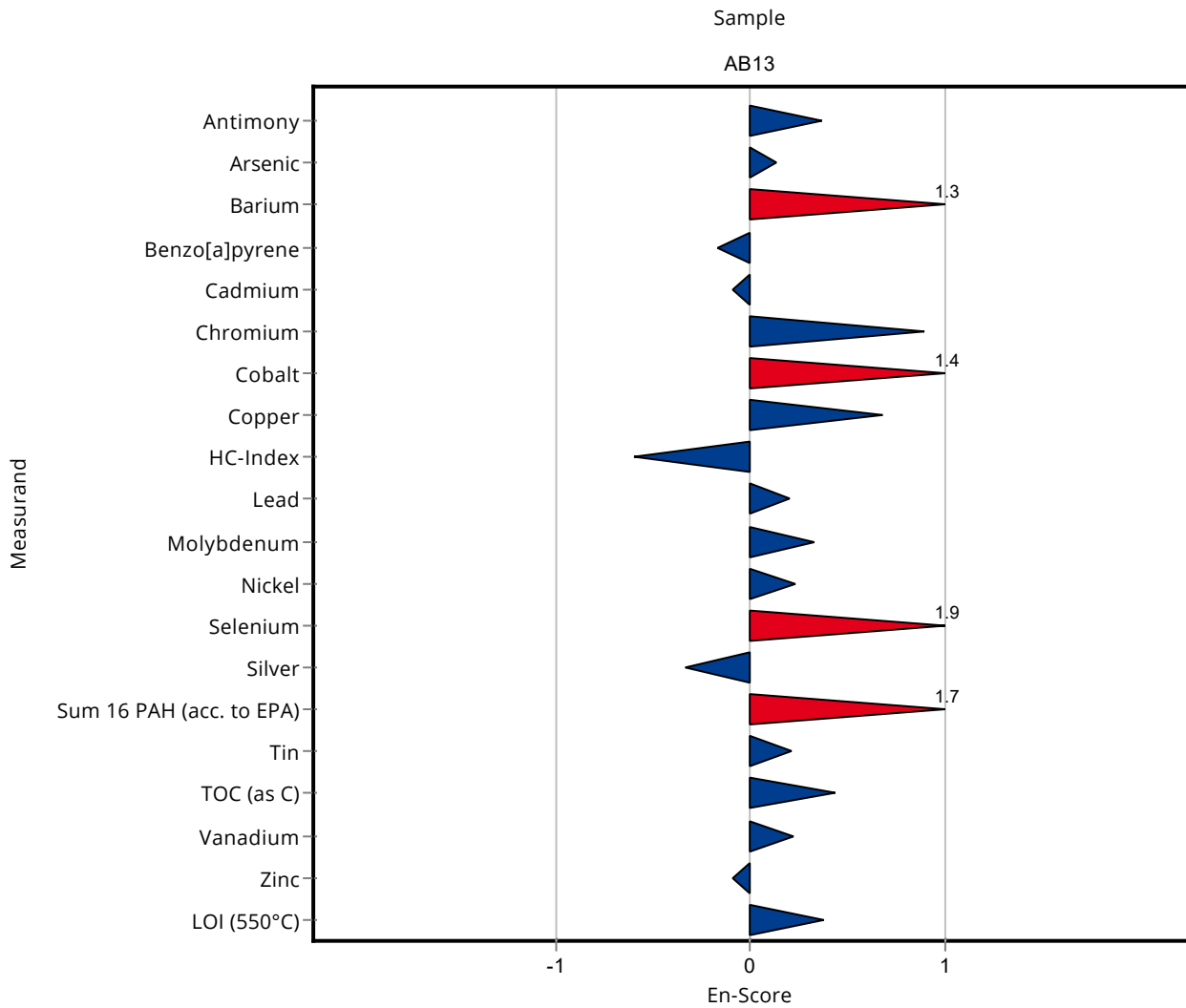


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13 - En-Score

Labcode: LC0006

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Antimony	mg/kg DM	92.9 ± 4.8	109 ± 22	13.9	117	0.36
Arsenic	mg/kg DM	5.58 ± 0.298	6 ± 1.6	0.837	107	0.13
Barium	mg/kg DM	8850 ± 1720	12713 ± 1271	3540	144	1.26
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	0.1 ± 0.01	0.0494	95.2	-0.17
Cadmium	mg/kg DM	1.04 ± 0.0519	1 ± 0.24	0.156	95.9	-0.09
Chromium	mg/kg DM	522 ± 29.2	714 ± 107	78.3	137	0.89
Cobalt	mg/kg DM	71.1 ± 5.14	101 ± 10	12.8	142	1.45
Copper	mg/kg DM	2260 ± 43.6	2793 ± 394	226	124	0.68
Dry mass	%	99.4 ± 0.0533	- ± -	0.497	-	-
HC-Index	mg/kg DM	1160 ± 157	1000 ± 112	407	85.9	-0.60
Lead	mg/kg DM	165 ± 7.67	178 ± 31	21.5	108	0.20
Mercury	mg/kg DM	- ± -	<0.1 (LOQ) ± -	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	177 ± 27	15.9	111	0.33
Nickel	mg/kg DM	490 ± 15.7	566 ± 169	49	116	0.23
Selenium	mg/kg DM	1.25 ± 0.248	5 ± 1	0.414	399	1.86
Silver	mg/kg DM	5.48 ± 0.345	4.8 ± 1	0.877	87.5	-0.34
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	3.4 ± 0.43	0.683	179	1.66
Tin	mg/kg DM	232 ± 12.3	254 ± 51	34.8	109	0.21
TOC (as C)	mg/kg DM	38100 ± 846	49100 ± 12766	3810	129	0.43
Vanadium	mg/kg DM	106 ± 5.84	126 ± 45	16	118	0.22
Zinc	mg/kg DM	3820 ± 88.8	3690 ± 712	382	96.5	-0.09
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	5.2 ± 0.52	0.48	108	0.38

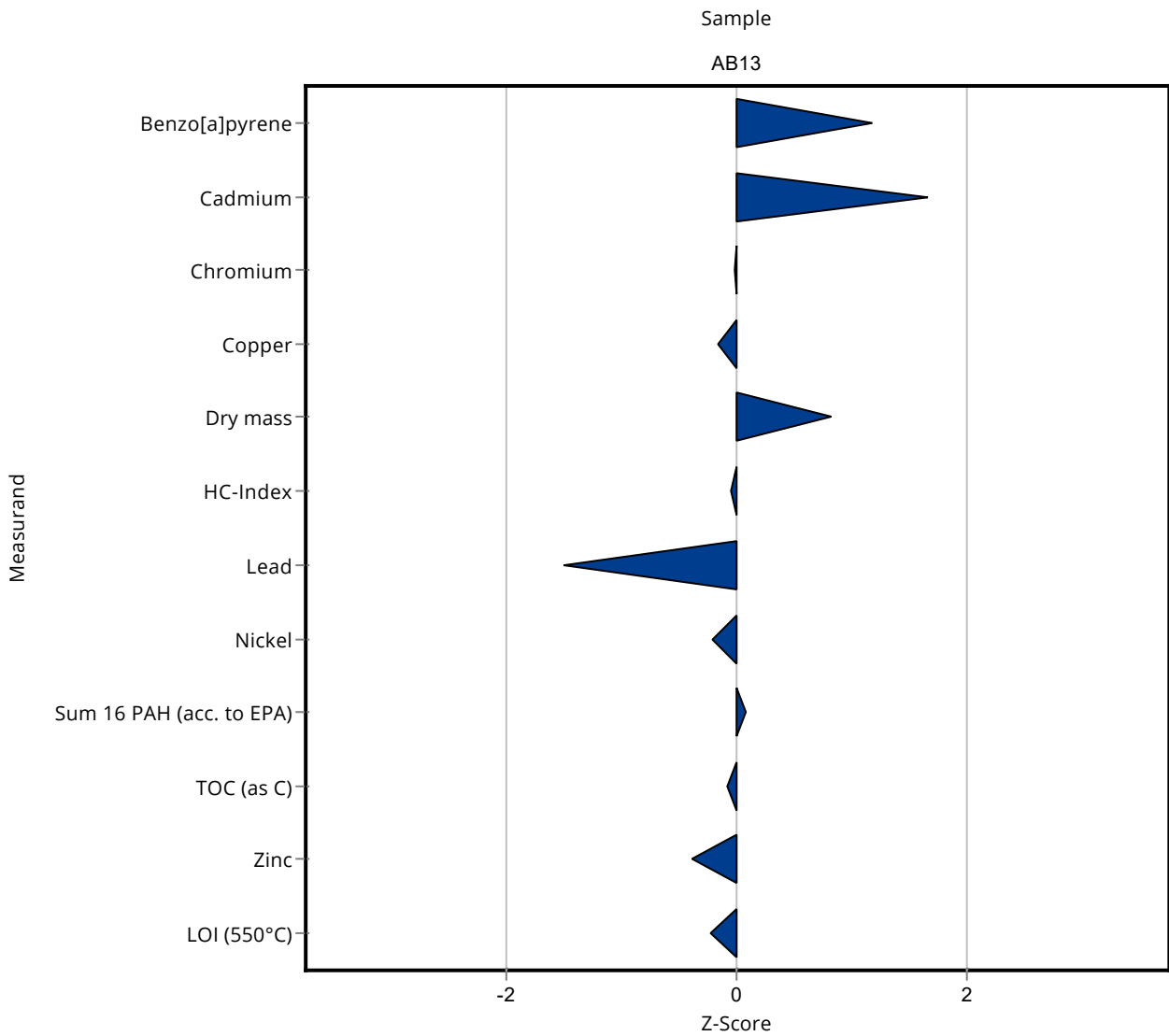


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13

Labcode: LC0007

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Antimony	mg/kg DM	92.9 ± 4.8	- ± -	13.9	-	-
Arsenic	mg/kg DM	5.58 ± 0.298	- ± -	0.837	-	-
Barium	mg/kg DM	8850 ± 1720	- ± -	3540	-	-
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	0.163 ± 0.048	0.0494	155	1.17
Cadmium	mg/kg DM	1.04 ± 0.0519	1.3 ± 0.15	0.156	125	1.65
Chromium	mg/kg DM	522 ± 29.2	520 ± 78	78.3	99.6	-0.02
Cobalt	mg/kg DM	71.1 ± 5.14	- ± -	12.8	-	-
Copper	mg/kg DM	2260 ± 43.6	2216 ± 266	226	98.2	-0.18
Dry mass	%	99.4 ± 0.0533	99.8 ± 0.2	0.497	100	0.82
HC-Index	mg/kg DM	1160 ± 157	1143 ± 340	407	98.2	-0.05
Lead	mg/kg DM	165 ± 7.67	133 ± 16	21.5	80.5	-1.50
Mercury	mg/kg DM	- ± -	<0.03 (LOQ) ± -	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	- ± -	15.9	-	-
Nickel	mg/kg DM	490 ± 15.7	479 ± 57	49	97.8	-0.22
Selenium	mg/kg DM	1.25 ± 0.248	- ± -	0.414	-	-
Silver	mg/kg DM	5.48 ± 0.345	- ± -	0.877	-	-
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	1.95 ± 0.29	0.683	103	0.08
Tin	mg/kg DM	232 ± 12.3	- ± -	34.8	-	-
TOC (as C)	mg/kg DM	38100 ± 846	37706 ± 3771	3810	99	-0.10
Vanadium	mg/kg DM	106 ± 5.84	- ± -	16	-	-
Zinc	mg/kg DM	3820 ± 88.8	3669 ± 440	382	96	-0.40
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	4.69 ± 0.33	0.48	97.6	-0.24

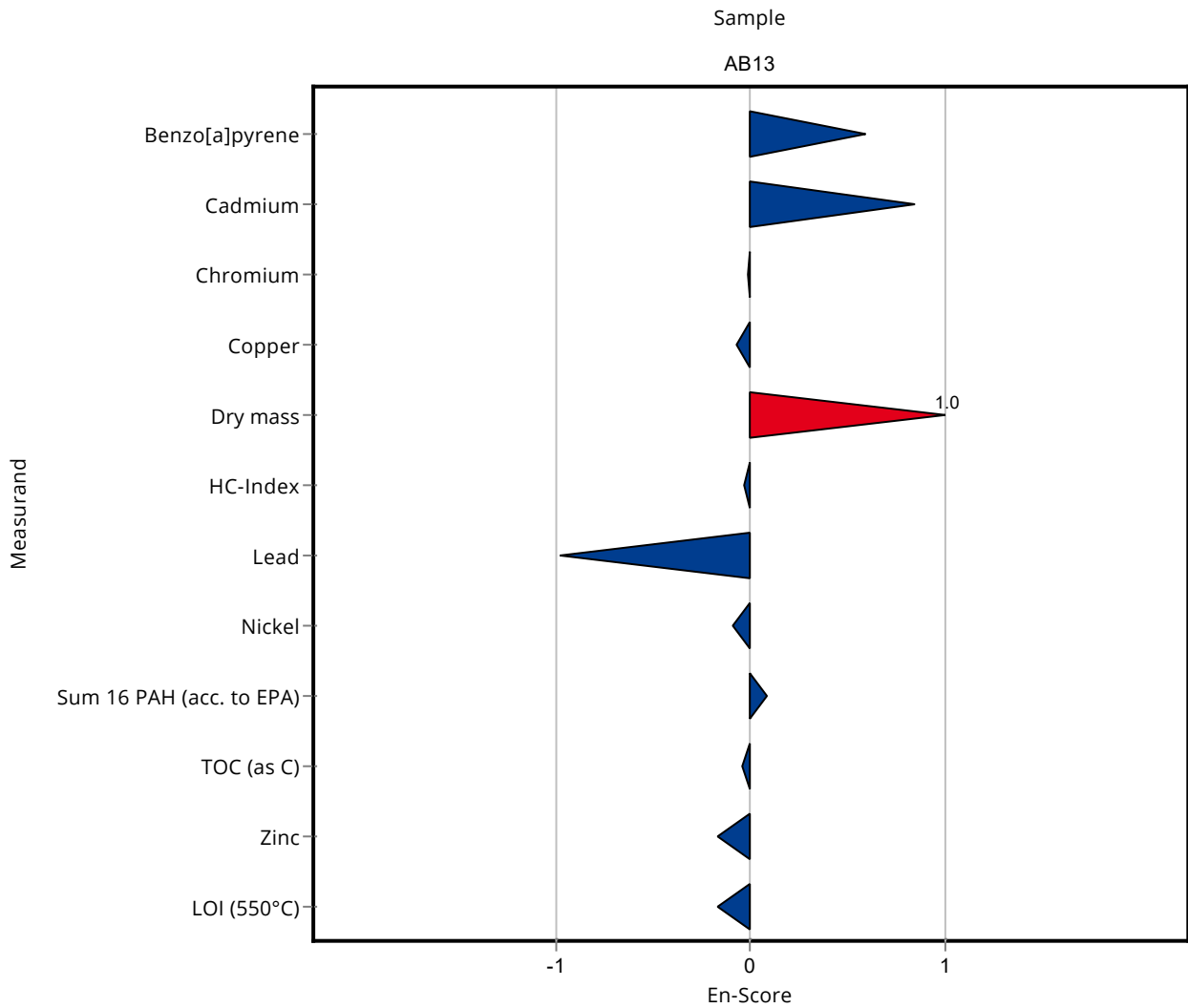


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13 - En-Score

Labcode: LC0007

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Antimony	mg/kg DM	92.9 ± 4.8	- ± -	13.9	-	-
Arsenic	mg/kg DM	5.58 ± 0.298	- ± -	0.837	-	-
Barium	mg/kg DM	8850 ± 1720	- ± -	3540	-	-
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	0.163 ± 0.048	0.0494	155	0.59
Cadmium	mg/kg DM	1.04 ± 0.0519	1.3 ± 0.15	0.156	125	0.85
Chromium	mg/kg DM	522 ± 29.2	520 ± 78	78.3	99.6	-0.01
Cobalt	mg/kg DM	71.1 ± 5.14	- ± -	12.8	-	-
Copper	mg/kg DM	2260 ± 43.6	2216 ± 266	226	98.2	-0.07
Dry mass	%	99.4 ± 0.0533	99.8 ± 0.2	0.497	100	1.01
HC-Index	mg/kg DM	1160 ± 157	1143 ± 340	407	98.2	-0.03
Lead	mg/kg DM	165 ± 7.67	133 ± 16	21.5	80.5	-0.98
Mercury	mg/kg DM	- ± -	<0.03 (LOQ) ± -	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	- ± -	15.9	-	-
Nickel	mg/kg DM	490 ± 15.7	479 ± 57	49	97.8	-0.09
Selenium	mg/kg DM	1.25 ± 0.248	- ± -	0.414	-	-
Silver	mg/kg DM	5.48 ± 0.345	- ± -	0.877	-	-
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	1.95 ± 0.29	0.683	103	0.08
Tin	mg/kg DM	232 ± 12.3	- ± -	34.8	-	-
TOC (as C)	mg/kg DM	38100 ± 846	37706 ± 3771	3810	99	-0.05
Vanadium	mg/kg DM	106 ± 5.84	- ± -	16	-	-
Zinc	mg/kg DM	3820 ± 88.8	3669 ± 440	382	96	-0.17
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	4.69 ± 0.33	0.48	97.6	-0.17

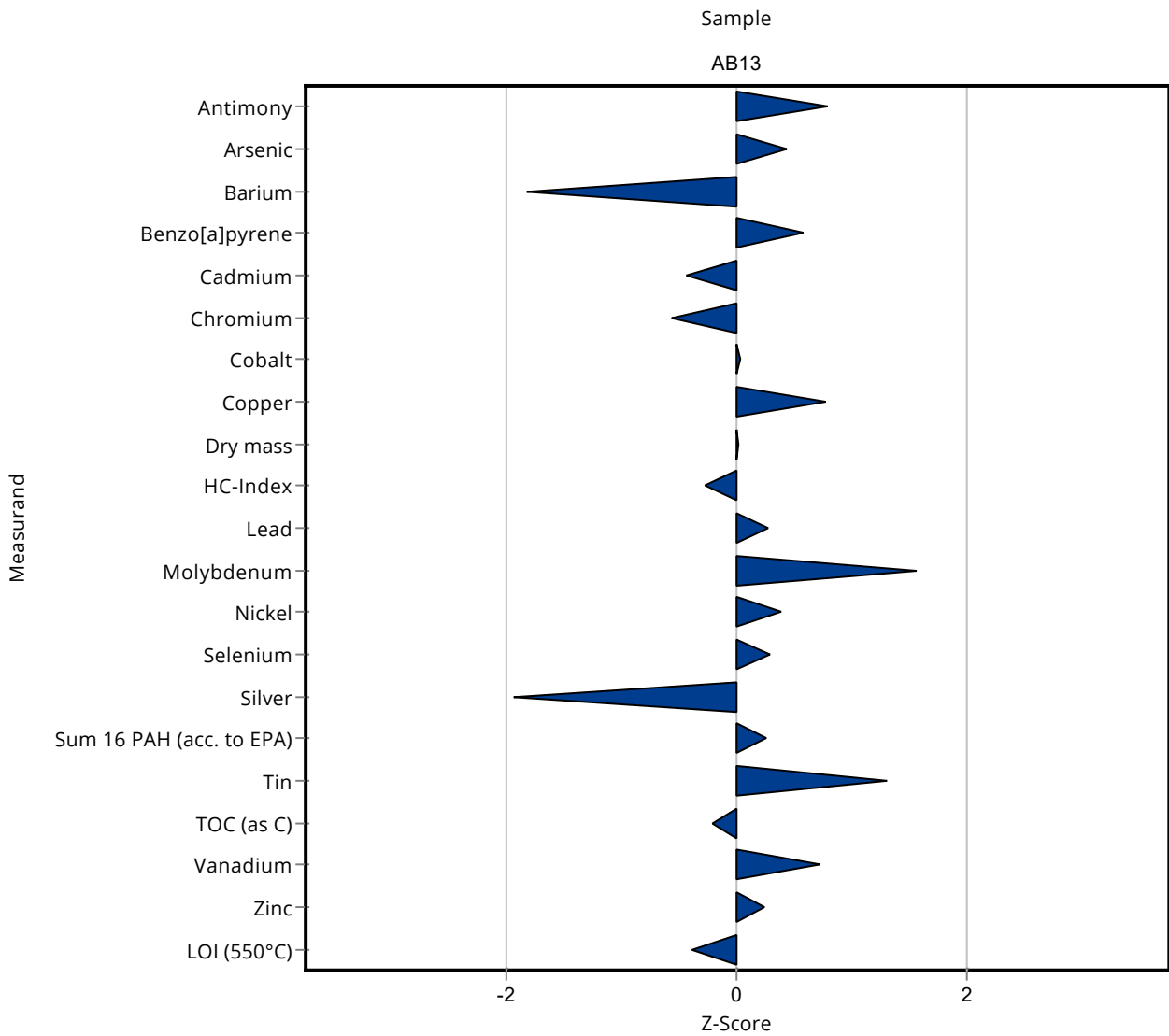


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13

Labcode: LC0008

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Antimony	mg/kg DM	92.9 ± 4.8	103.8 ± 20.7	13.9	112	0.79
Arsenic	mg/kg DM	5.58 ± 0.298	5.94 ± 1.19	0.837	106	0.43
Barium	mg/kg DM	8850 ± 1720	2362 ± 473	3540	26.7	-1.83
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	0.133 ± 0.0265	0.0494	127	0.57
Cadmium	mg/kg DM	1.04 ± 0.0519	0.973 ± 0.291	0.156	93.3	-0.44
Chromium	mg/kg DM	522 ± 29.2	477 ± 95.5	78.3	91.4	-0.57
Cobalt	mg/kg DM	71.1 ± 5.14	71.5 ± 7.15	12.8	101	0.03
Copper	mg/kg DM	2260 ± 43.6	2427 ± 485	226	108	0.76
Dry mass	%	99.4 ± 0.0533	99.4 ± 9.94	0.497	100	0.01
HC-Index	mg/kg DM	1160 ± 157	1046 ± 314	407	89.9	-0.29
Lead	mg/kg DM	165 ± 7.67	171 ± 34	21.5	103	0.27
Mercury	mg/kg DM	- ± -	0.0046 ± 0.0014	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	184 ± 36.8	15.9	116	1.56
Nickel	mg/kg DM	490 ± 15.7	508 ± 102	49	104	0.37
Selenium	mg/kg DM	1.25 ± 0.248	1.37 ± 0.55	0.414	109	0.28
Silver	mg/kg DM	5.48 ± 0.345	3.78 ± 1.13	0.877	68.9	-1.94
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	2.07 ± 0.41	0.683	109	0.25
Tin	mg/kg DM	232 ± 12.3	277 ± 111	34.8	119	1.29
TOC (as C)	mg/kg DM	38100 ± 846	37267 ± 11180	3810	97.9	-0.21
Vanadium	mg/kg DM	106 ± 5.84	118 ± 23.6	16	111	0.72
Zinc	mg/kg DM	3820 ± 88.8	3913 ± 783	382	102	0.24
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	4.61 ± 0.23	0.48	96	-0.40

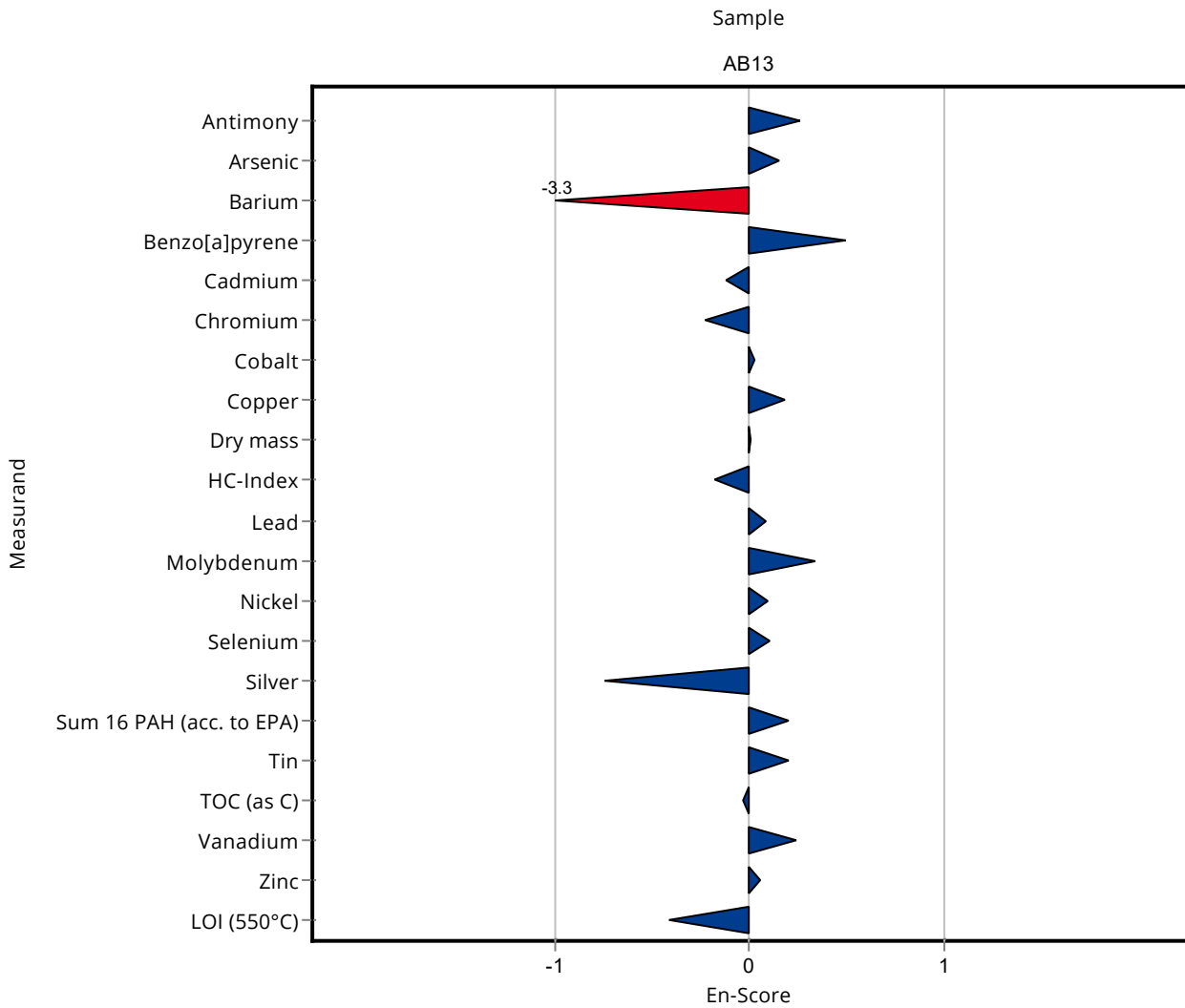


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13 - En-Score

Labcode: LC0008

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Antimony	mg/kg DM	92.9 ± 4.8	103.8 ± 20.7	13.9	112	0.26
Arsenic	mg/kg DM	5.58 ± 0.298	5.94 ± 1.19	0.837	106	0.15
Barium	mg/kg DM	8850 ± 1720	2362 ± 473	3540	26.7	-3.31
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	0.133 ± 0.0265	0.0494	127	0.49
Cadmium	mg/kg DM	1.04 ± 0.0519	0.973 ± 0.291	0.156	93.3	-0.12
Chromium	mg/kg DM	522 ± 29.2	477 ± 95.5	78.3	91.4	-0.23
Cobalt	mg/kg DM	71.1 ± 5.14	71.5 ± 7.15	12.8	101	0.02
Copper	mg/kg DM	2260 ± 43.6	2427 ± 485	226	108	0.18
Dry mass	%	99.4 ± 0.0533	99.4 ± 9.94	0.497	100	0.00
HC-Index	mg/kg DM	1160 ± 157	1046 ± 314	407	89.9	-0.18
Lead	mg/kg DM	165 ± 7.67	171 ± 34	21.5	103	0.08
Mercury	mg/kg DM	- ± -	0.0046 ± 0.0014	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	184 ± 36.8	15.9	116	0.34
Nickel	mg/kg DM	490 ± 15.7	508 ± 102	49	104	0.09
Selenium	mg/kg DM	1.25 ± 0.248	1.37 ± 0.55	0.414	109	0.10
Silver	mg/kg DM	5.48 ± 0.345	3.78 ± 1.13	0.877	68.9	-0.75
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	2.07 ± 0.41	0.683	109	0.20
Tin	mg/kg DM	232 ± 12.3	277 ± 111	34.8	119	0.20
TOC (as C)	mg/kg DM	38100 ± 846	37267 ± 11180	3810	97.9	-0.04
Vanadium	mg/kg DM	106 ± 5.84	118 ± 23.6	16	111	0.24
Zinc	mg/kg DM	3820 ± 88.8	3913 ± 783	382	102	0.06
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	4.61 ± 0.23	0.48	96	-0.41

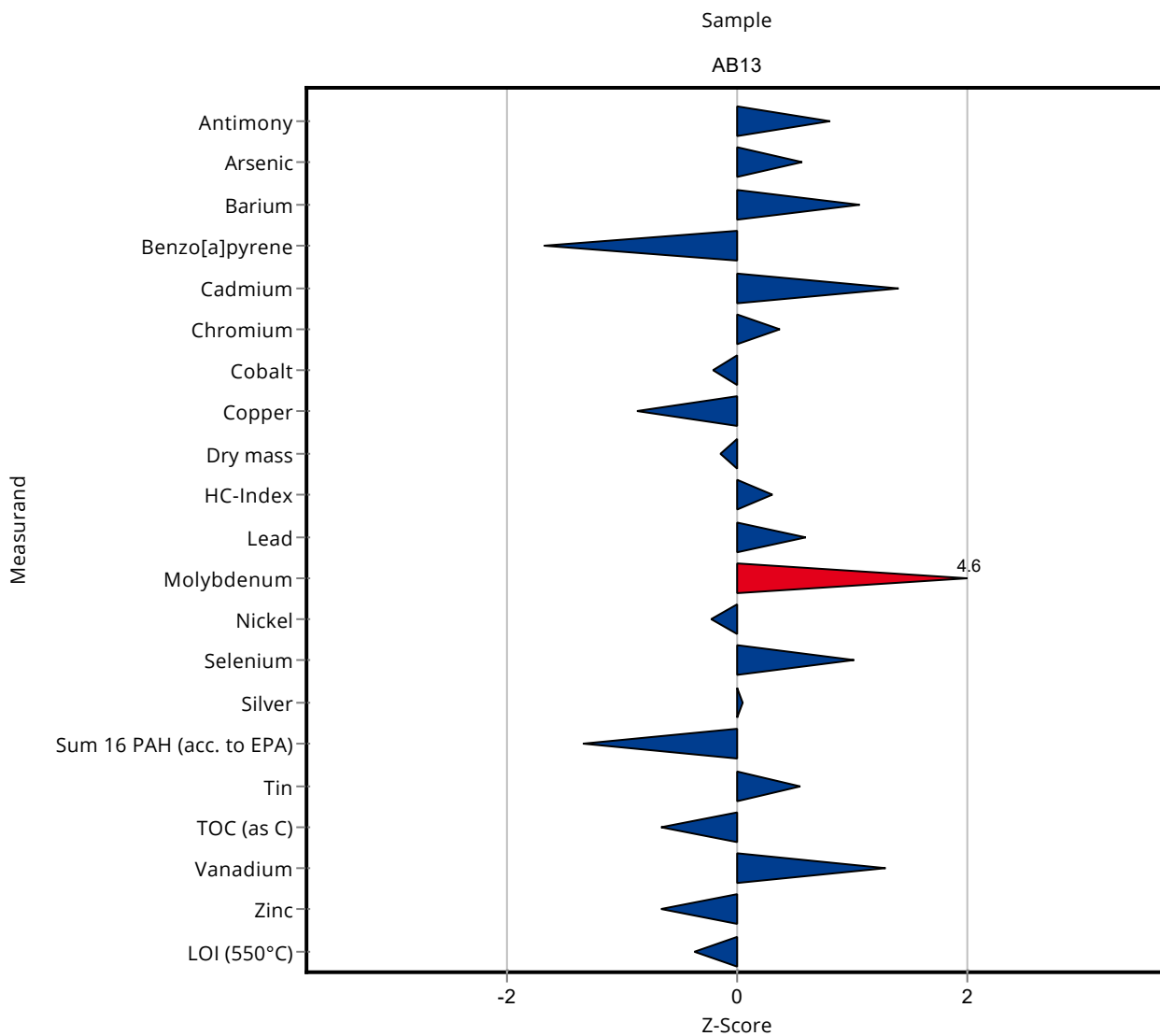


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13

Labcode: LC0009

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Antimony	mg/kg DM	92.9 ± 4.8	104 ± 6.99	13.9	112	0.80
Arsenic	mg/kg DM	5.58 ± 0.298	6.05 ± 1.25	0.837	108	0.56
Barium	mg/kg DM	8850 ± 1720	12622 ± 344	3540	143	1.06
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	0.022 ± 0.004	0.0494	20.9	-1.68
Cadmium	mg/kg DM	1.04 ± 0.0519	1.26 ± 0.44	0.156	121	1.39
Chromium	mg/kg DM	522 ± 29.2	550 ± 18.8	78.3	105	0.36
Cobalt	mg/kg DM	71.1 ± 5.14	68.3 ± 7.72	12.8	96	-0.22
Copper	mg/kg DM	2260 ± 43.6	2058 ± 67.4	226	91.2	-0.88
Dry mass	%	99.4 ± 0.0533	99.32 ± 0.2	0.497	99.9	-0.15
HC-Index	mg/kg DM	1160 ± 157	1286 ± 67	407	110	0.30
Lead	mg/kg DM	165 ± 7.67	178 ± 8.81	21.5	108	0.59
Mercury	mg/kg DM	- ± -	<0.025 (LOQ) ± -	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	233 ± 11.9	15.9	146	4.64
Nickel	mg/kg DM	490 ± 15.7	478 ± 15.6	49	97.6	-0.24
Selenium	mg/kg DM	1.25 ± 0.248	1.67 ± 0.66	0.414	133	1.01
Silver	mg/kg DM	5.48 ± 0.345	5.52 ± 0.69	0.877	101	0.04
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	0.98 ± 0.2	0.683	51.7	-1.34
Tin	mg/kg DM	232 ± 12.3	251 ± 22.2	34.8	108	0.55
TOC (as C)	mg/kg DM	38100 ± 846	35500 ± 2000	3810	93.3	-0.67
Vanadium	mg/kg DM	106 ± 5.84	127 ± 5.33	16	119	1.28
Zinc	mg/kg DM	3820 ± 88.8	3568 ± 59.3	382	93.3	-0.67
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	4.62 ± 0.15	0.48	96.2	-0.38

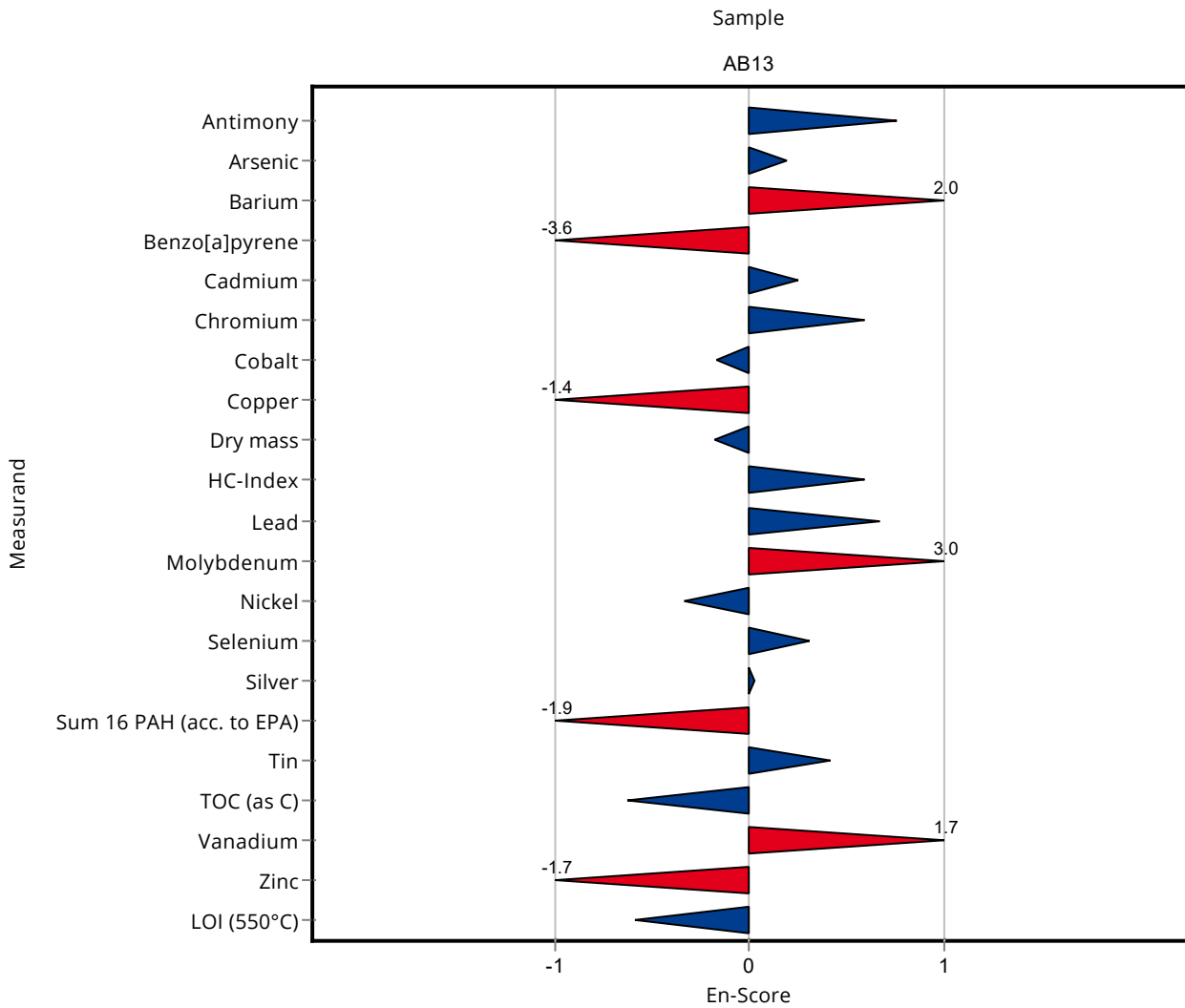


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13 - En-Score

Labcode: LC0009

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Antimony	mg/kg DM	92.9 ± 4.8	104 ± 6.99	13.9	112	0.75
Arsenic	mg/kg DM	5.58 ± 0.298	6.05 ± 1.25	0.837	108	0.19
Barium	mg/kg DM	8850 ± 1720	12622 ± 344	3540	143	2.03
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	0.022 ± 0.004	0.0494	20.9	-3.62
Cadmium	mg/kg DM	1.04 ± 0.0519	1.26 ± 0.44	0.156	121	0.25
Chromium	mg/kg DM	522 ± 29.2	550 ± 18.8	78.3	105	0.59
Cobalt	mg/kg DM	71.1 ± 5.14	68.3 ± 7.72	12.8	96	-0.17
Copper	mg/kg DM	2260 ± 43.6	2058 ± 67.4	226	91.2	-1.40
Dry mass	%	99.4 ± 0.0533	99.32 ± 0.2	0.497	99.9	-0.18
HC-Index	mg/kg DM	1160 ± 157	1286 ± 67	407	110	0.59
Lead	mg/kg DM	165 ± 7.67	178 ± 8.81	21.5	108	0.66
Mercury	mg/kg DM	- ± -	<0.025 (LOQ) ± -	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	233 ± 11.9	15.9	146	3.01
Nickel	mg/kg DM	490 ± 15.7	478 ± 15.6	49	97.6	-0.33
Selenium	mg/kg DM	1.25 ± 0.248	1.67 ± 0.66	0.414	133	0.31
Silver	mg/kg DM	5.48 ± 0.345	5.52 ± 0.69	0.877	101	0.03
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	0.98 ± 0.2	0.683	51.7	-1.88
Tin	mg/kg DM	232 ± 12.3	251 ± 22.2	34.8	108	0.41
TOC (as C)	mg/kg DM	38100 ± 846	35500 ± 2000	3810	93.3	-0.63
Vanadium	mg/kg DM	106 ± 5.84	127 ± 5.33	16	119	1.69
Zinc	mg/kg DM	3820 ± 88.8	3568 ± 59.3	382	93.3	-1.72
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	4.62 ± 0.15	0.48	96.2	-0.59

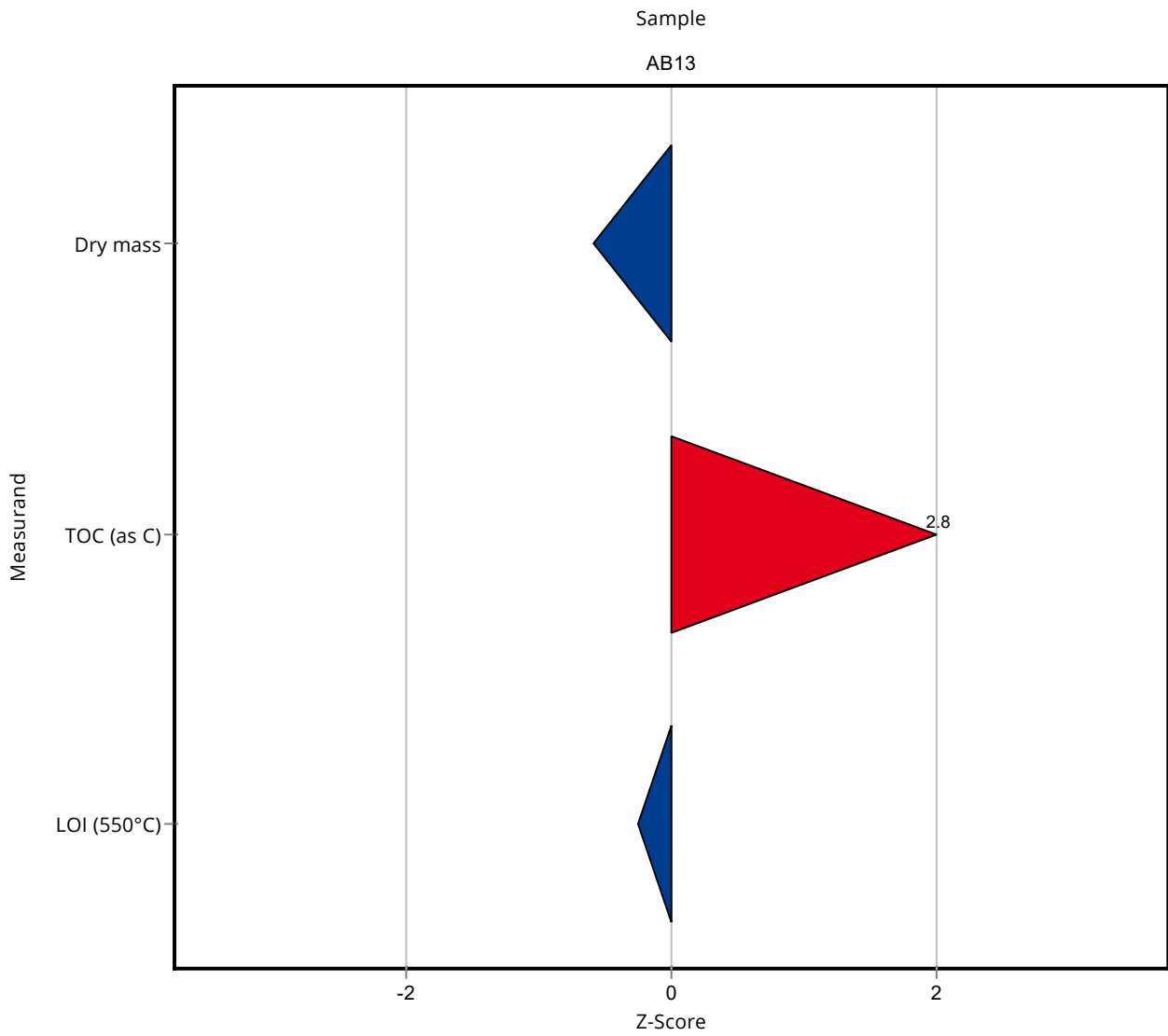


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13

Labcode: LC0010

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Antimony	mg/kg DM	92.9 ± 4.8	- ± -	13.9	-	-
Arsenic	mg/kg DM	5.58 ± 0.298	- ± -	0.837	-	-
Barium	mg/kg DM	8850 ± 1720	- ± -	3540	-	-
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	- ± -	0.0494	-	-
Cadmium	mg/kg DM	1.04 ± 0.0519	- ± -	0.156	-	-
Chromium	mg/kg DM	522 ± 29.2	- ± -	78.3	-	-
Cobalt	mg/kg DM	71.1 ± 5.14	- ± -	12.8	-	-
Copper	mg/kg DM	2260 ± 43.6	- ± -	226	-	-
Dry mass	%	99.4 ± 0.0533	99.1 ± 0.5	0.497	99.7	-0.59
HC-Index	mg/kg DM	1160 ± 157	- ± -	407	-	-
Lead	mg/kg DM	165 ± 7.67	- ± -	21.5	-	-
Mercury	mg/kg DM	- ± -	- ± -	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	- ± -	15.9	-	-
Nickel	mg/kg DM	490 ± 15.7	- ± -	49	-	-
Selenium	mg/kg DM	1.25 ± 0.248	- ± -	0.414	-	-
Silver	mg/kg DM	5.48 ± 0.345	- ± -	0.877	-	-
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	- ± -	0.683	-	-
Tin	mg/kg DM	232 ± 12.3	- ± -	34.8	-	-
TOC (as C)	mg/kg DM	38100 ± 846	48800 ± 3000	3810	128	2.82
Vanadium	mg/kg DM	106 ± 5.84	- ± -	16	-	-
Zinc	mg/kg DM	3820 ± 88.8	- ± -	382	-	-
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	4.68 ± 0.023	0.48	97.4	-0.26

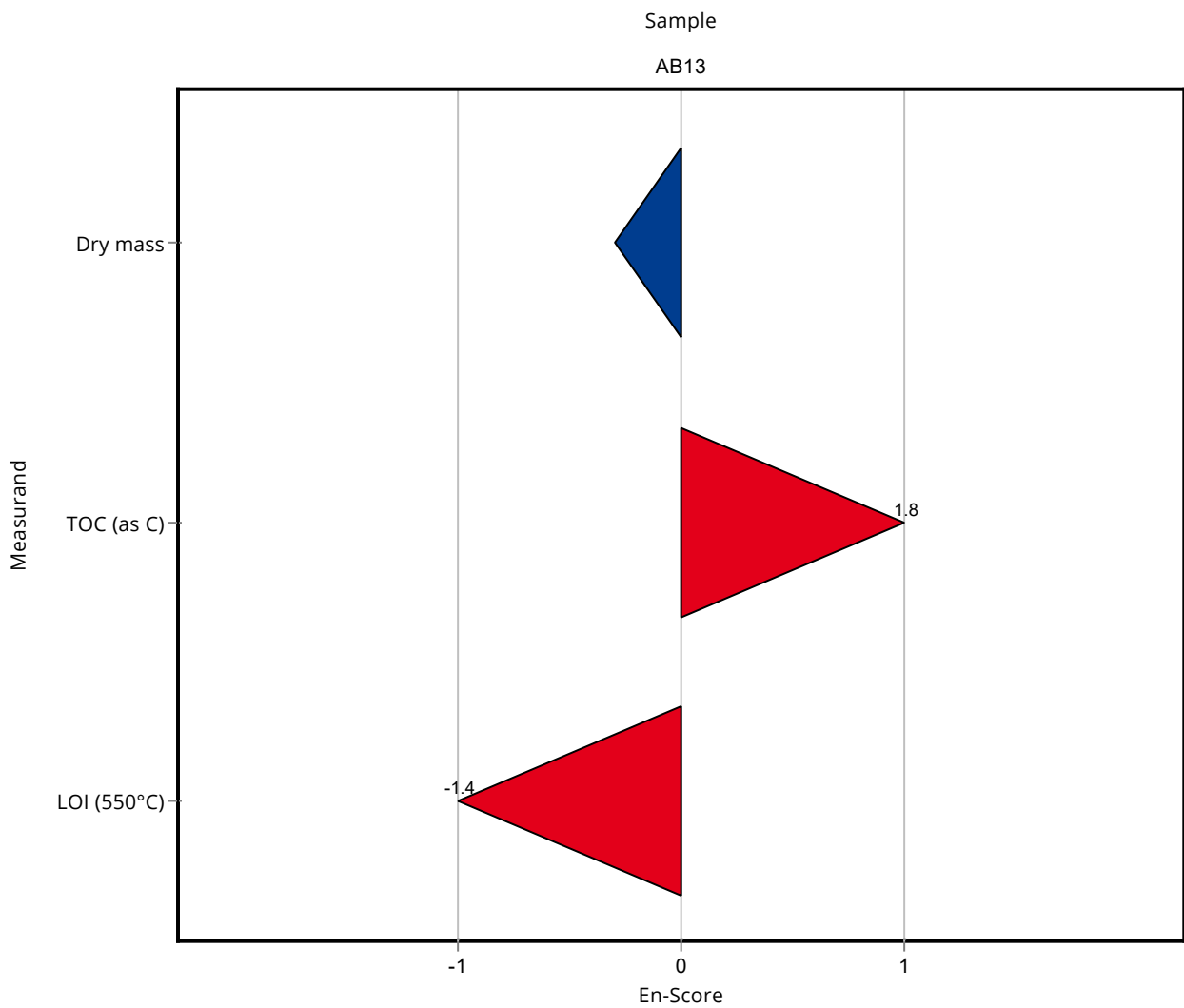


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13 - En-Score

Labcode: LC0010

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Antimony	mg/kg DM	92.9 ± 4.8	- ± -	13.9	-	-
Arsenic	mg/kg DM	5.58 ± 0.298	- ± -	0.837	-	-
Barium	mg/kg DM	8850 ± 1720	- ± -	3540	-	-
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	- ± -	0.0494	-	-
Cadmium	mg/kg DM	1.04 ± 0.0519	- ± -	0.156	-	-
Chromium	mg/kg DM	522 ± 29.2	- ± -	78.3	-	-
Cobalt	mg/kg DM	71.1 ± 5.14	- ± -	12.8	-	-
Copper	mg/kg DM	2260 ± 43.6	- ± -	226	-	-
Dry mass	%	99.4 ± 0.0533	99.1 ± 0.5	0.497	99.7	-0.29
HC-Index	mg/kg DM	1160 ± 157	- ± -	407	-	-
Lead	mg/kg DM	165 ± 7.67	- ± -	21.5	-	-
Mercury	mg/kg DM	- ± -	- ± -	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	- ± -	15.9	-	-
Nickel	mg/kg DM	490 ± 15.7	- ± -	49	-	-
Selenium	mg/kg DM	1.25 ± 0.248	- ± -	0.414	-	-
Silver	mg/kg DM	5.48 ± 0.345	- ± -	0.877	-	-
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	- ± -	0.683	-	-
Tin	mg/kg DM	232 ± 12.3	- ± -	34.8	-	-
TOC (as C)	mg/kg DM	38100 ± 846	48800 ± 3000	3810	128	1.77
Vanadium	mg/kg DM	106 ± 5.84	- ± -	16	-	-
Zinc	mg/kg DM	3820 ± 88.8	- ± -	382	-	-
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	4.68 ± 0.023	0.48	97.4	-1.35

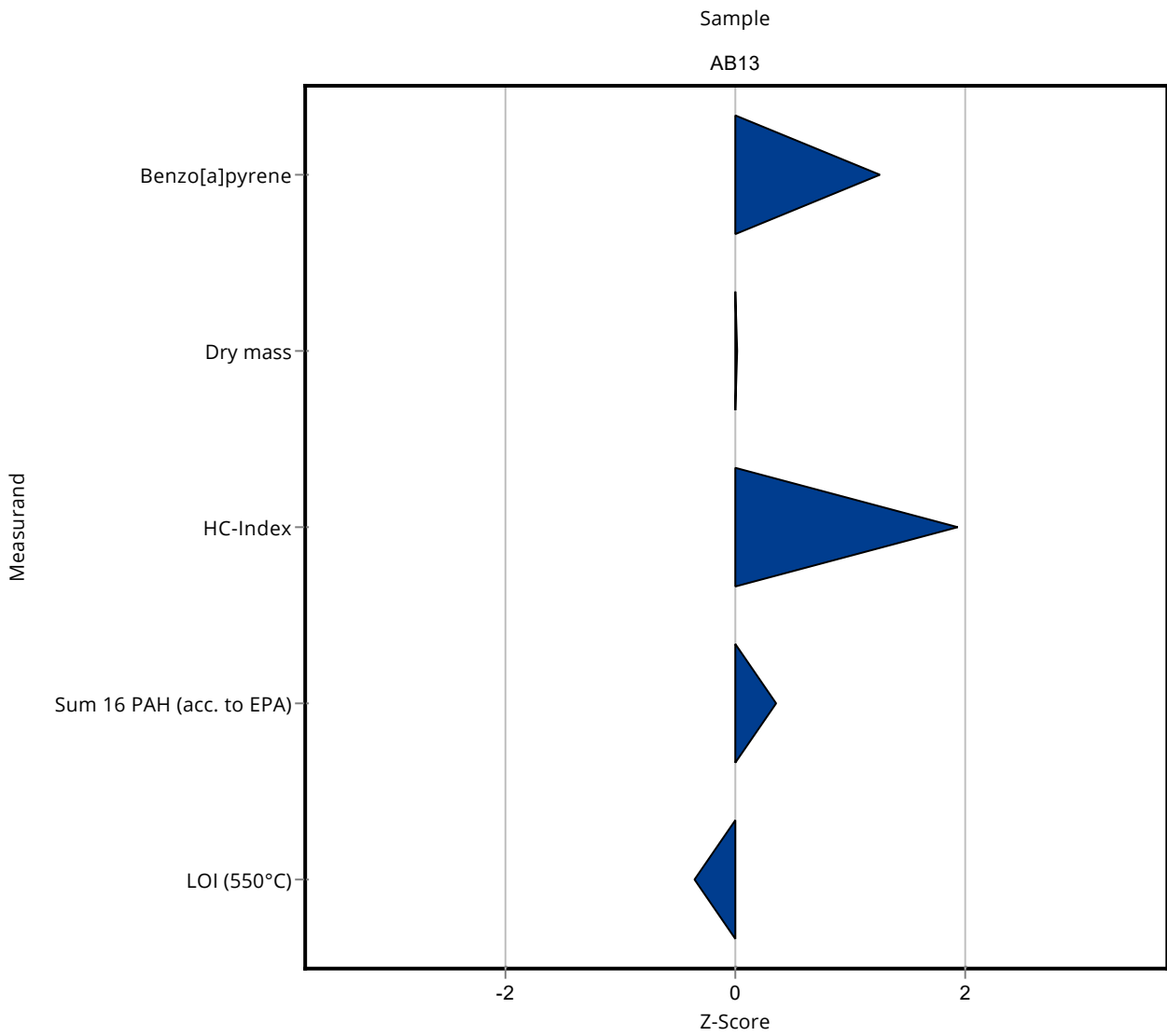


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13

Labcode: LC0011

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Antimony	mg/kg DM	92.9 ± 4.8	- ± -	13.9	-	-
Arsenic	mg/kg DM	5.58 ± 0.298	- ± -	0.837	-	-
Barium	mg/kg DM	8850 ± 1720	- ± -	3540	-	-
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	0.167 ± 0.047	0.0494	159	1.25
Cadmium	mg/kg DM	1.04 ± 0.0519	- ± -	0.156	-	-
Chromium	mg/kg DM	522 ± 29.2	- ± -	78.3	-	-
Cobalt	mg/kg DM	71.1 ± 5.14	- ± -	12.8	-	-
Copper	mg/kg DM	2260 ± 43.6	- ± -	226	-	-
Dry mass	%	99.4 ± 0.0533	99.4 ± 0.2	0.497	100	0.01
HC-Index	mg/kg DM	1160 ± 157	1950 ± 345	407	168	1.93
Lead	mg/kg DM	165 ± 7.67	- ± -	21.5	-	-
Mercury	mg/kg DM	- ± -	- ± -	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	- ± -	15.9	-	-
Nickel	mg/kg DM	490 ± 15.7	- ± -	49	-	-
Selenium	mg/kg DM	1.25 ± 0.248	- ± -	0.414	-	-
Silver	mg/kg DM	5.48 ± 0.345	- ± -	0.877	-	-
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	2.137 ± 0.276	0.683	113	0.35
Tin	mg/kg DM	232 ± 12.3	- ± -	34.8	-	-
TOC (as C)	mg/kg DM	38100 ± 846	- ± -	3810	-	-
Vanadium	mg/kg DM	106 ± 5.84	- ± -	16	-	-
Zinc	mg/kg DM	3820 ± 88.8	- ± -	382	-	-
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	4.63 ± 0.565	0.48	96.4	-0.36

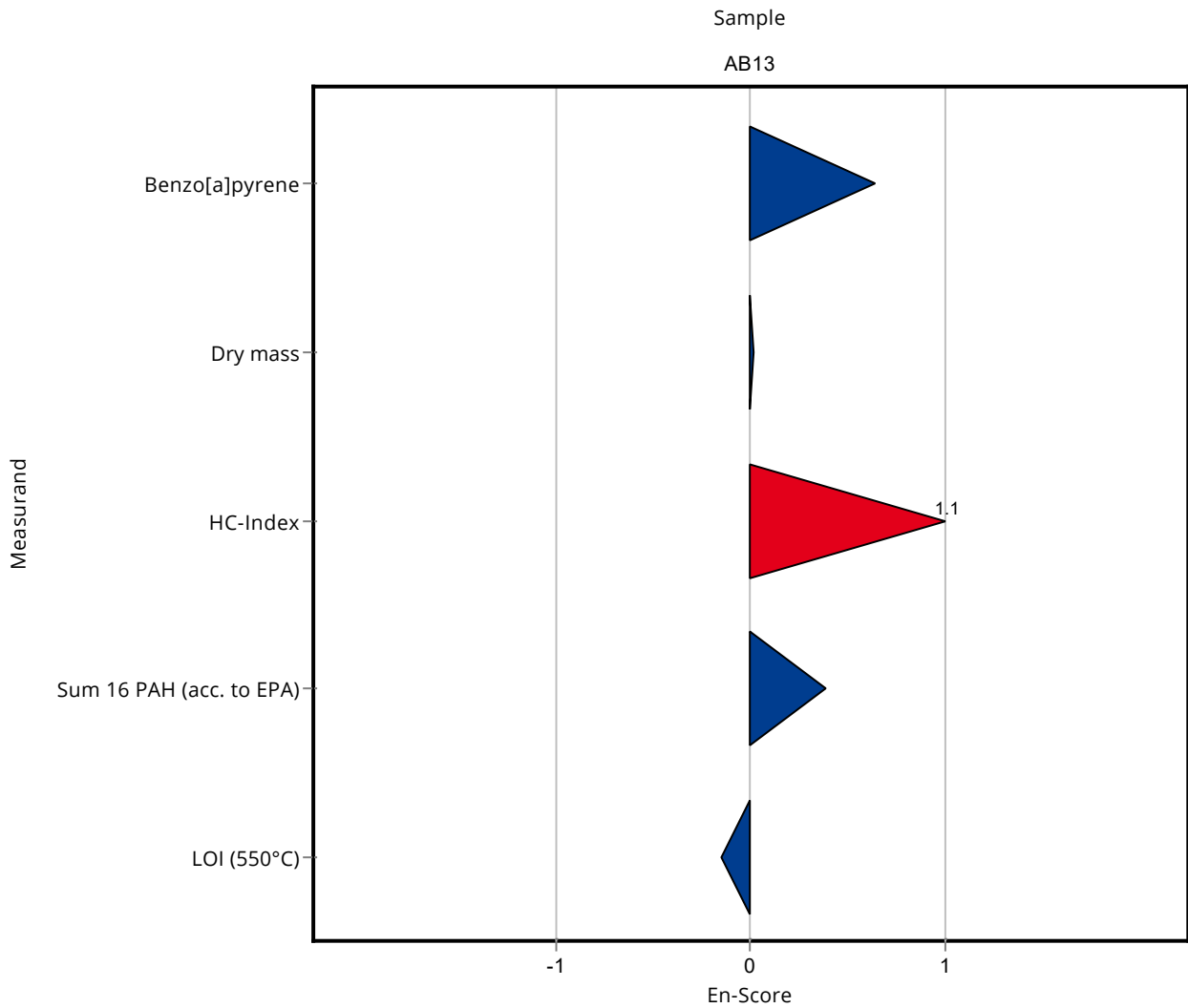


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13 - En-Score

Labcode: LC0011

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Antimony	mg/kg DM	92.9 ± 4.8	- ± -	13.9	-	-
Arsenic	mg/kg DM	5.58 ± 0.298	- ± -	0.837	-	-
Barium	mg/kg DM	8850 ± 1720	- ± -	3540	-	-
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	0.167 ± 0.047	0.0494	159	0.64
Cadmium	mg/kg DM	1.04 ± 0.0519	- ± -	0.156	-	-
Chromium	mg/kg DM	522 ± 29.2	- ± -	78.3	-	-
Cobalt	mg/kg DM	71.1 ± 5.14	- ± -	12.8	-	-
Copper	mg/kg DM	2260 ± 43.6	- ± -	226	-	-
Dry mass	%	99.4 ± 0.0533	99.4 ± 0.2	0.497	100	0.01
HC-Index	mg/kg DM	1160 ± 157	1950 ± 345	407	168	1.11
Lead	mg/kg DM	165 ± 7.67	- ± -	21.5	-	-
Mercury	mg/kg DM	- ± -	- ± -	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	- ± -	15.9	-	-
Nickel	mg/kg DM	490 ± 15.7	- ± -	49	-	-
Selenium	mg/kg DM	1.25 ± 0.248	- ± -	0.414	-	-
Silver	mg/kg DM	5.48 ± 0.345	- ± -	0.877	-	-
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	2.137 ± 0.276	0.683	113	0.39
Tin	mg/kg DM	232 ± 12.3	- ± -	34.8	-	-
TOC (as C)	mg/kg DM	38100 ± 846	- ± -	3810	-	-
Vanadium	mg/kg DM	106 ± 5.84	- ± -	16	-	-
Zinc	mg/kg DM	3820 ± 88.8	- ± -	382	-	-
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	4.63 ± 0.565	0.48	96.4	-0.15

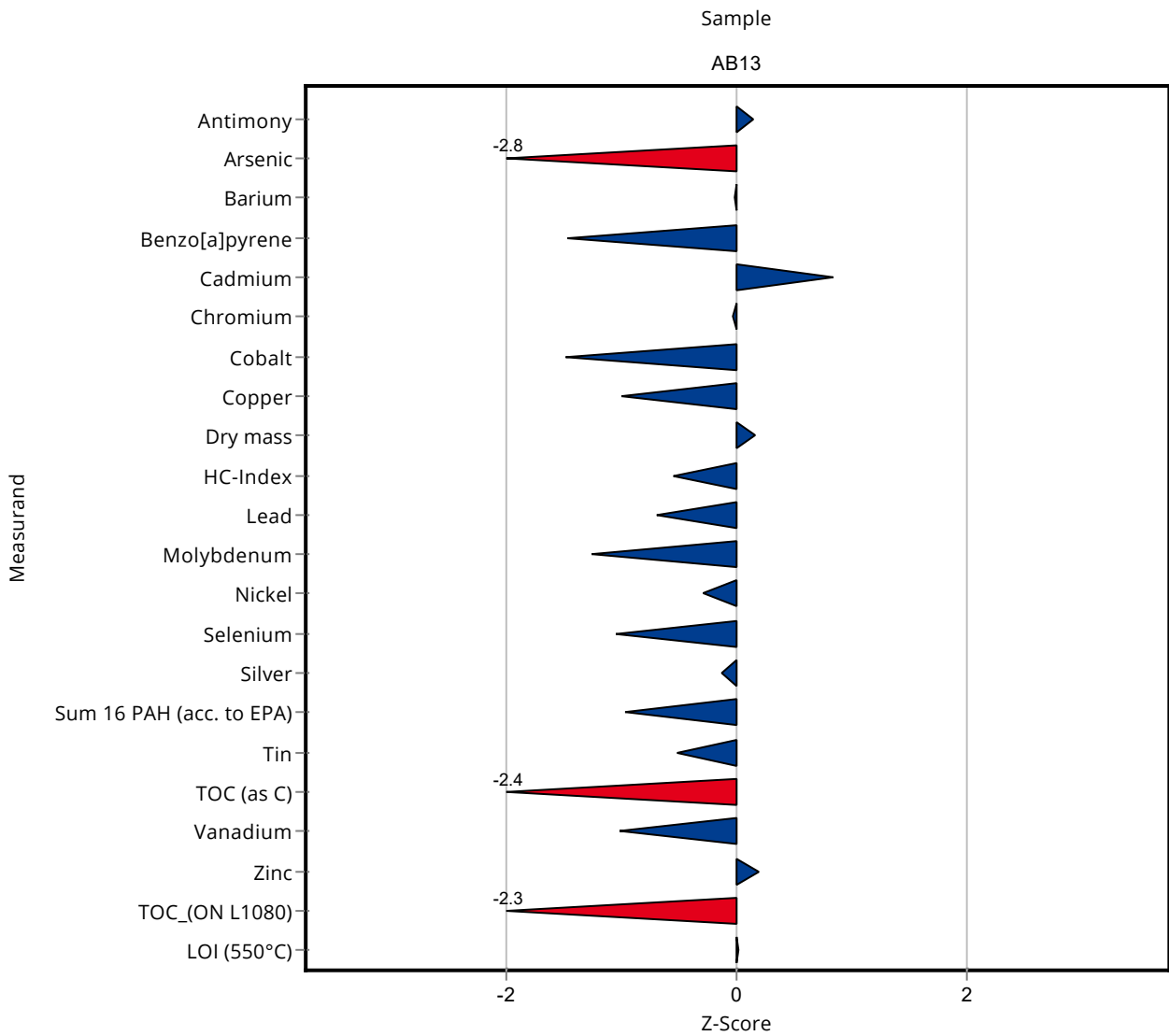


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13

Labcode: LC0012

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Antimony	mg/kg DM	92.9 ± 4.8	94.86 ± 2	13.9	102	0.14
Arsenic	mg/kg DM	5.58 ± 0.298	3.24 ± 0.05	0.837	58	-2.80
Barium	mg/kg DM	8850 ± 1720	8774 ± 10	3540	99.1	-0.02
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	0.032 ± 0.002	0.0494	30.5	-1.48
Cadmium	mg/kg DM	1.04 ± 0.0519	1.173 ± 0.05	0.156	113	0.84
Chromium	mg/kg DM	522 ± 29.2	519 ± 3	78.3	99.4	-0.04
Cobalt	mg/kg DM	71.1 ± 5.14	52.07 ± 1	12.8	73.2	-1.49
Copper	mg/kg DM	2260 ± 43.6	2030 ± 12	226	90	-1.00
Dry mass	%	99.4 ± 0.0533	99.47 ± 2	0.497	100	0.15
HC-Index	mg/kg DM	1160 ± 157	936 ± 27	407	80.4	-0.56
Lead	mg/kg DM	165 ± 7.67	150.1 ± 11	21.5	90.8	-0.70
Mercury	mg/kg DM	- ± -	0.01 ± 0.002	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	139 ± 3.1	15.9	87.4	-1.26
Nickel	mg/kg DM	490 ± 15.7	475 ± 6.2	49	97	-0.30
Selenium	mg/kg DM	1.25 ± 0.248	0.82 ± 0.05	0.414	65.4	-1.05
Silver	mg/kg DM	5.48 ± 0.345	5.37 ± 0.15	0.877	97.9	-0.13
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	1.227 ± 0.05	0.683	64.7	-0.98
Tin	mg/kg DM	232 ± 12.3	213.9 ± 4.1	34.8	92.2	-0.52
TOC (as C)	mg/kg DM	38100 ± 846	29117 ± 1000	3810	76.5	-2.35
Vanadium	mg/kg DM	106 ± 5.84	90.22 ± 2.9	16	84.7	-1.02
Zinc	mg/kg DM	3820 ± 88.8	3892 ± 13.6	382	102	0.18
TOC_(ON L1080)	% dm	3.8 ± 0.0949	2.912 ± 0.1	0.38	76.6	-2.34
LOI (550°C)	% dm	4.8 ± 0.0789	4.81 ± 0.19	0.48	100	0.01

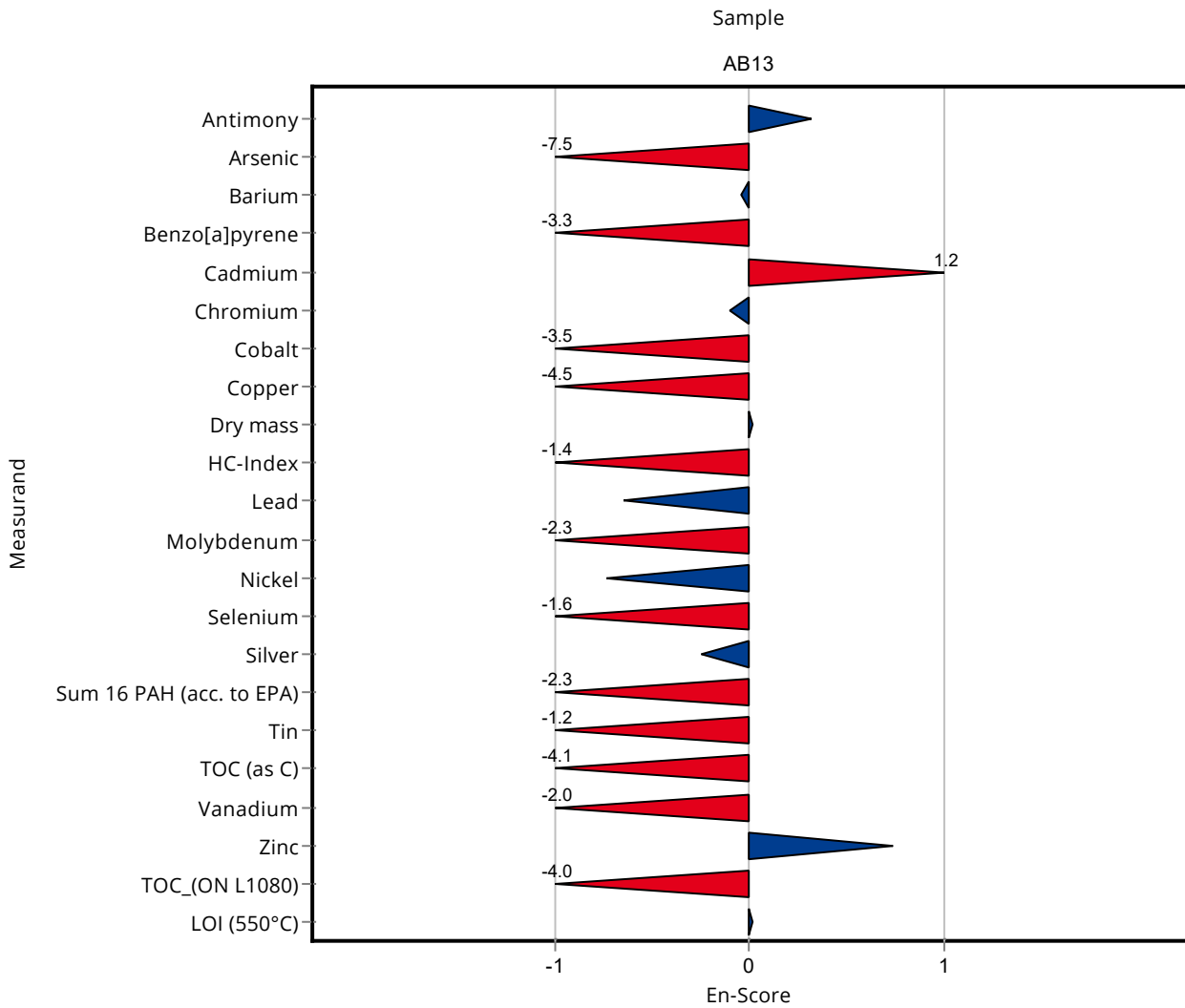


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13 - En-Score

Labcode: LC0012

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Antimony	mg/kg DM	92.9 ± 4.8	94.86 ± 2	13.9	102	0.32
Arsenic	mg/kg DM	5.58 ± 0.298	3.24 ± 0.05	0.837	58	-7.46
Barium	mg/kg DM	8850 ± 1720	8774 ± 10	3540	99.1	-0.05
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	0.032 ± 0.002	0.0494	30.5	-3.34
Cadmium	mg/kg DM	1.04 ± 0.0519	1.173 ± 0.05	0.156	113	1.16
Chromium	mg/kg DM	522 ± 29.2	519 ± 3	78.3	99.4	-0.10
Cobalt	mg/kg DM	71.1 ± 5.14	52.07 ± 1	12.8	73.2	-3.46
Copper	mg/kg DM	2260 ± 43.6	2030 ± 12	226	90	-4.53
Dry mass	%	99.4 ± 0.0533	99.47 ± 2	0.497	100	0.02
HC-Index	mg/kg DM	1160 ± 157	936 ± 27	407	80.4	-1.37
Lead	mg/kg DM	165 ± 7.67	150.1 ± 11	21.5	90.8	-0.65
Mercury	mg/kg DM	- ± -	0.01 ± 0.002	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	139 ± 3.1	15.9	87.4	-2.33
Nickel	mg/kg DM	490 ± 15.7	475 ± 6.2	49	97	-0.73
Selenium	mg/kg DM	1.25 ± 0.248	0.82 ± 0.05	0.414	65.4	-1.63
Silver	mg/kg DM	5.48 ± 0.345	5.37 ± 0.15	0.877	97.9	-0.25
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	1.227 ± 0.05	0.683	64.7	-2.27
Tin	mg/kg DM	232 ± 12.3	213.9 ± 4.1	34.8	92.2	-1.22
TOC (as C)	mg/kg DM	38100 ± 846	29117 ± 1000	3810	76.5	-4.12
Vanadium	mg/kg DM	106 ± 5.84	90.22 ± 2.9	16	84.7	-1.98
Zinc	mg/kg DM	3820 ± 88.8	3892 ± 13.6	382	102	0.74
TOC_(ON L1080)	% dm	3.8 ± 0.0949	2.912 ± 0.1	0.38	76.6	-4.01
LOI (550°C)	% dm	4.8 ± 0.0789	4.81 ± 0.19	0.48	100	0.02

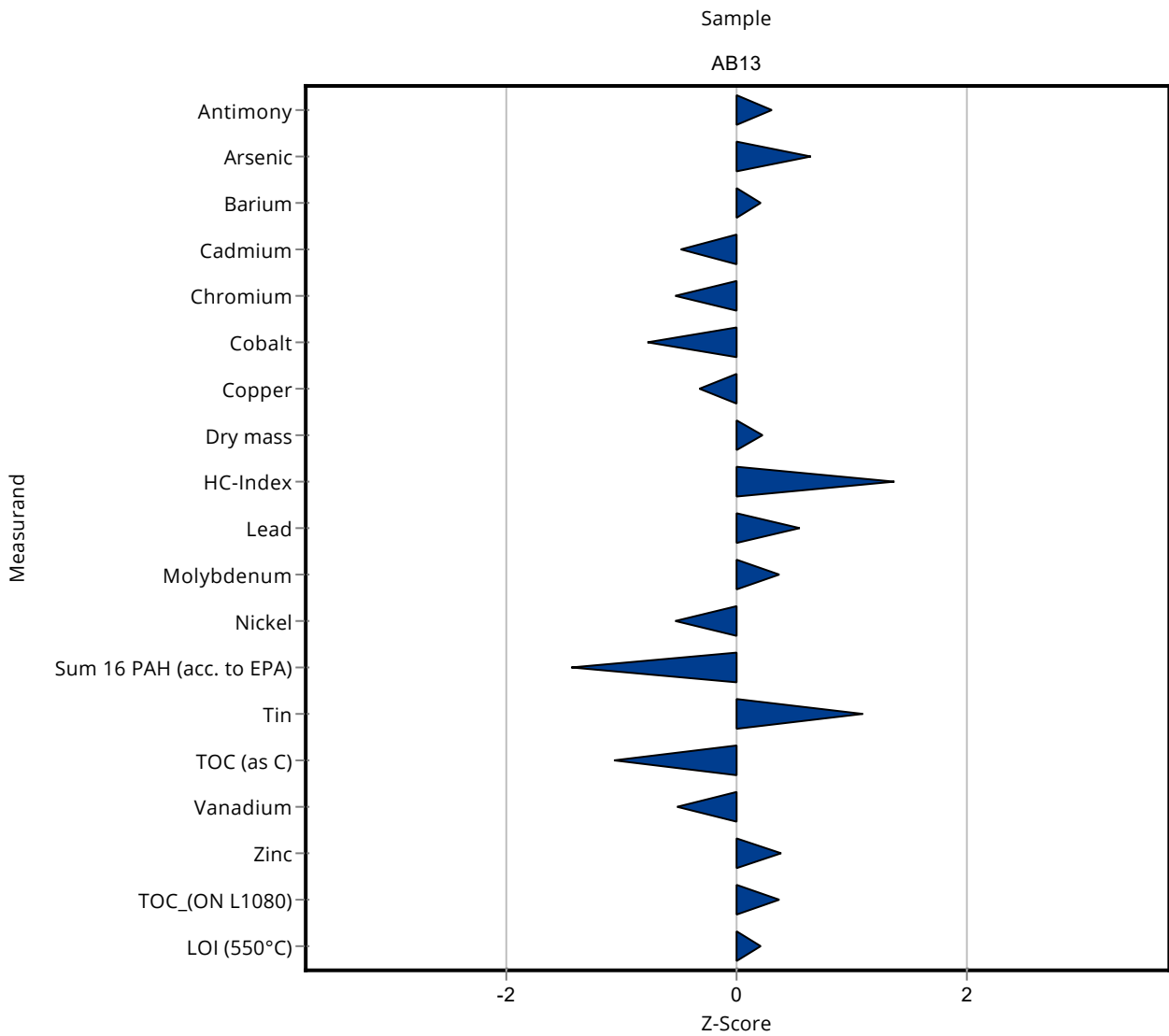


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13

Labcode: LC0013

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Antimony	mg/kg DM	92.9 ± 4.8	97 ± 20	13.9	104	0.30
Arsenic	mg/kg DM	5.58 ± 0.298	6.12 ± 1.2	0.837	110	0.64
Barium	mg/kg DM	8850 ± 1720	9560 ± 1430	3540	108	0.20
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	<0.05 (LOQ) ± -	0.0494	-	-
Cadmium	mg/kg DM	1.04 ± 0.0519	0.965 ± 0.15	0.156	92.6	-0.50
Chromium	mg/kg DM	522 ± 29.2	480 ± 80	78.3	92	-0.54
Cobalt	mg/kg DM	71.1 ± 5.14	61.1 ± 6.1	12.8	85.9	-0.78
Copper	mg/kg DM	2260 ± 43.6	2180 ± 326	226	96.6	-0.34
Dry mass	%	99.4 ± 0.0533	99.5 ± 1.5	0.497	100	0.21
HC-Index	mg/kg DM	1160 ± 157	1719 ± 260	407	148	1.36
Lead	mg/kg DM	165 ± 7.67	177 ± 22	21.5	107	0.55
Mercury	mg/kg DM	- ± -	<0.066 (LOQ) ± -	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	165 ± 20	15.9	104	0.37
Nickel	mg/kg DM	490 ± 15.7	463 ± 70	49	94.6	-0.54
Selenium	mg/kg DM	1.25 ± 0.248	<2 (LOQ) ± -	0.414	-	-
Silver	mg/kg DM	5.48 ± 0.345	<5 (LOQ) ± -	0.877	-	-
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	0.91 ± 0.14	0.683	48	-1.45
Tin	mg/kg DM	232 ± 12.3	270 ± 47	34.8	116	1.09
TOC (as C)	mg/kg DM	38100 ± 846	34000 ± 4500	3810	89.3	-1.07
Vanadium	mg/kg DM	106 ± 5.84	98.1 ± 20	16	92.1	-0.53
Zinc	mg/kg DM	3820 ± 88.8	3970 ± 600	382	104	0.38
TOC_(ON L1080)	% dm	3.8 ± 0.0949	3.94 ± 0.45	0.38	104	0.37
LOI (550°C)	% dm	4.8 ± 0.0789	4.9 ± 0.49	0.48	102	0.20

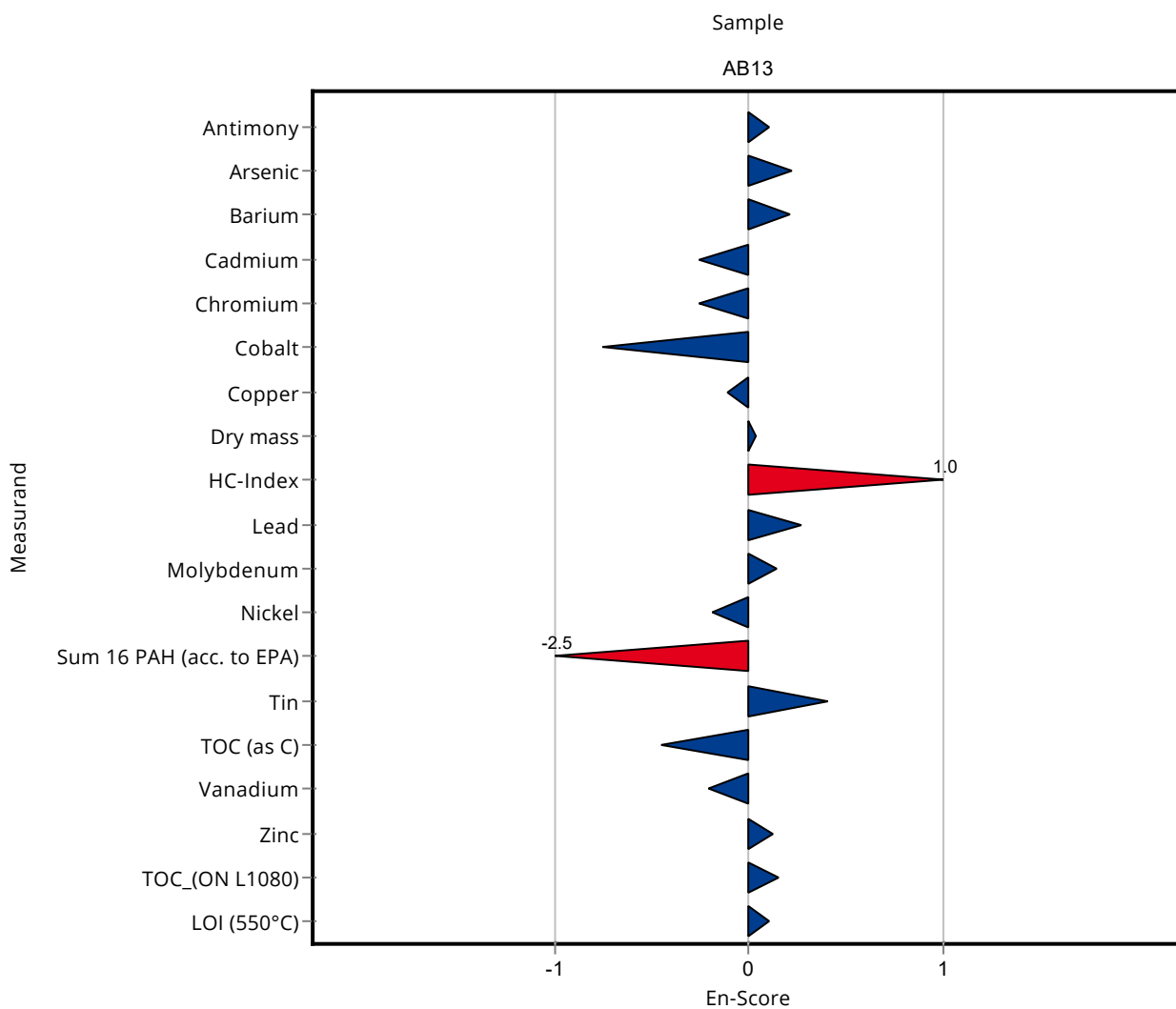


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13 - En-Score

Labcode: LC0013

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Antimony	mg/kg DM	92.9 ± 4.8	97 ± 20	13.9	104	0.10
Arsenic	mg/kg DM	5.58 ± 0.298	6.12 ± 1.2	0.837	110	0.22
Barium	mg/kg DM	8850 ± 1720	9560 ± 1430	3540	108	0.21
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	<0.05 (LOQ) ± -	0.0494	-	-
Cadmium	mg/kg DM	1.04 ± 0.0519	0.965 ± 0.15	0.156	92.6	-0.25
Chromium	mg/kg DM	522 ± 29.2	480 ± 80	78.3	92	-0.26
Cobalt	mg/kg DM	71.1 ± 5.14	61.1 ± 6.1	12.8	85.9	-0.76
Copper	mg/kg DM	2260 ± 43.6	2180 ± 326	226	96.6	-0.12
Dry mass	%	99.4 ± 0.0533	99.5 ± 1.5	0.497	100	0.04
HC-Index	mg/kg DM	1160 ± 157	1719 ± 260	407	148	1.02
Lead	mg/kg DM	165 ± 7.67	177 ± 22	21.5	107	0.26
Mercury	mg/kg DM	- ± -	<0.066 (LOQ) ± -	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	165 ± 20	15.9	104	0.15
Nickel	mg/kg DM	490 ± 15.7	463 ± 70	49	94.6	-0.19
Selenium	mg/kg DM	1.25 ± 0.248	<2 (LOQ) ± -	0.414	-	-
Silver	mg/kg DM	5.48 ± 0.345	<5 (LOQ) ± -	0.877	-	-
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	0.91 ± 0.14	0.683	48	-2.50
Tin	mg/kg DM	232 ± 12.3	270 ± 47	34.8	116	0.40
TOC (as C)	mg/kg DM	38100 ± 846	34000 ± 4500	3810	89.3	-0.45
Vanadium	mg/kg DM	106 ± 5.84	98.1 ± 20	16	92.1	-0.21
Zinc	mg/kg DM	3820 ± 88.8	3970 ± 600	382	104	0.12
TOC_(ON L1080)	% dm	3.8 ± 0.0949	3.94 ± 0.45	0.38	104	0.15
LOI (550°C)	% dm	4.8 ± 0.0789	4.9 ± 0.49	0.48	102	0.10

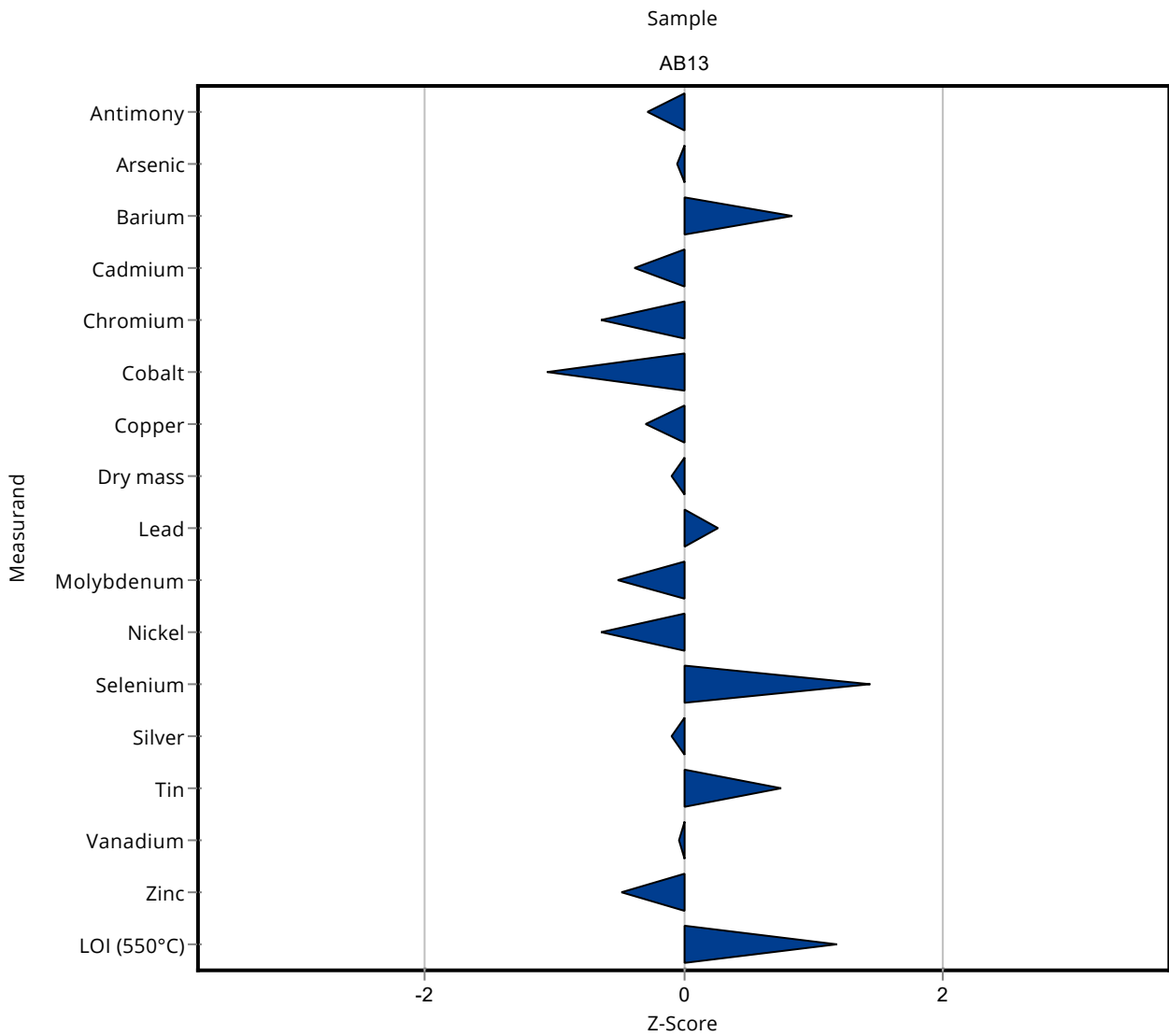


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13

Labcode: LC0014

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Antimony	mg/kg DM	92.9 ± 4.8	88.88 ± 9.682	13.9	95.7	-0.29
Arsenic	mg/kg DM	5.58 ± 0.298	5.536 ± 0.477	0.837	99.2	-0.06
Barium	mg/kg DM	8850 ± 1720	11850.22 ± 422.792	3540	134	0.85
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	- ± -	0.0494	-	-
Cadmium	mg/kg DM	1.04 ± 0.0519	0.984 ± 0.039	0.156	94.4	-0.37
Chromium	mg/kg DM	522 ± 29.2	471.78 ± 32.165	78.3	90.4	-0.64
Cobalt	mg/kg DM	71.1 ± 5.14	57.6 ± 2.924	12.8	81	-1.06
Copper	mg/kg DM	2260 ± 43.6	2188.6 ± 161.666	226	97	-0.30
Dry mass	%	99.4 ± 0.0533	99.35 ± 0.012	0.497	100	-0.09
HC-Index	mg/kg DM	1160 ± 157	- ± -	407	-	-
Lead	mg/kg DM	165 ± 7.67	170.98 ± 12.067	21.5	103	0.27
Mercury	mg/kg DM	- ± -	0.0153 ± 0.001	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	150.98 ± 4.38	15.9	94.9	-0.51
Nickel	mg/kg DM	490 ± 15.7	458.69 ± 13.234	49	93.7	-0.63
Selenium	mg/kg DM	1.25 ± 0.248	1.853 ± 0.21	0.414	148	1.45
Silver	mg/kg DM	5.48 ± 0.345	5.396 ± 0.217	0.877	98.4	-0.10
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	- ± -	0.683	-	-
Tin	mg/kg DM	232 ± 12.3	258.18 ± 36.048	34.8	111	0.75
TOC (as C)	mg/kg DM	38100 ± 846	- ± -	3810	-	-
Vanadium	mg/kg DM	106 ± 5.84	105.97 ± 4.079	16	99.5	-0.03
Zinc	mg/kg DM	3820 ± 88.8	3641.45 ± 169.695	382	95.2	-0.48
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	5.37 ± 0.046	0.48	112	1.18

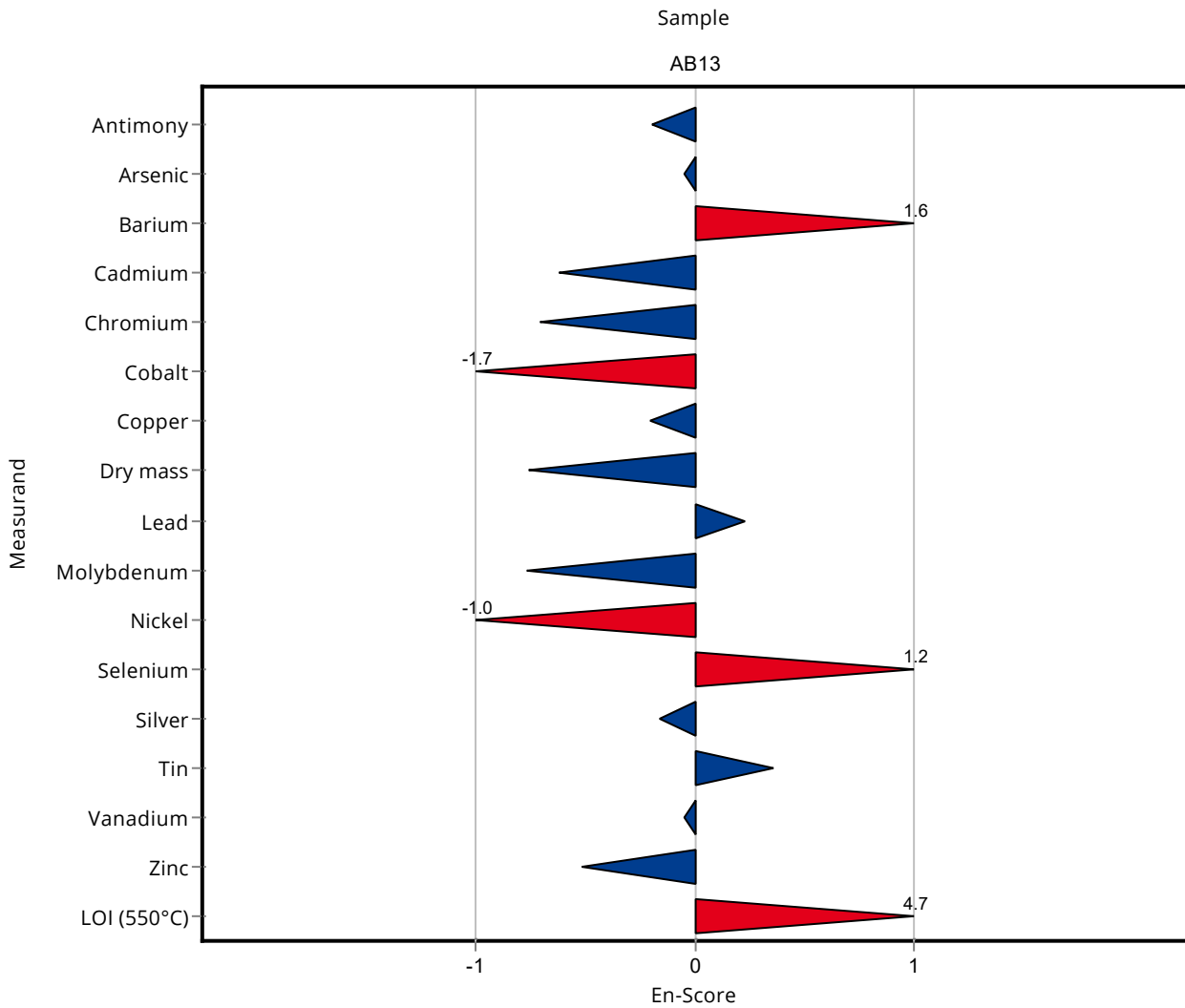


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13 - En-Score

Labcode: LC0014

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Antimony	mg/kg DM	92.9 ± 4.8	88.88 ± 9.682	13.9	95.7	-0.20
Arsenic	mg/kg DM	5.58 ± 0.298	5.536 ± 0.477	0.837	99.2	-0.05
Barium	mg/kg DM	8850 ± 1720	11850.22 ± 422.792	3540	134	1.56
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	- ± -	0.0494	-	-
Cadmium	mg/kg DM	1.04 ± 0.0519	0.984 ± 0.039	0.156	94.4	-0.62
Chromium	mg/kg DM	522 ± 29.2	471.78 ± 32.165	78.3	90.4	-0.71
Cobalt	mg/kg DM	71.1 ± 5.14	57.6 ± 2.924	12.8	81	-1.74
Copper	mg/kg DM	2260 ± 43.6	2188.6 ± 161.666	226	97	-0.21
Dry mass	%	99.4 ± 0.0533	99.35 ± 0.012	0.497	100	-0.76
HC-Index	mg/kg DM	1160 ± 157	- ± -	407	-	-
Lead	mg/kg DM	165 ± 7.67	170.98 ± 12.067	21.5	103	0.23
Mercury	mg/kg DM	- ± -	0.0153 ± 0.001	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	150.98 ± 4.38	15.9	94.9	-0.77
Nickel	mg/kg DM	490 ± 15.7	458.69 ± 13.234	49	93.7	-1.01
Selenium	mg/kg DM	1.25 ± 0.248	1.853 ± 0.21	0.414	148	1.23
Silver	mg/kg DM	5.48 ± 0.345	5.396 ± 0.217	0.877	98.4	-0.16
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	- ± -	0.683	-	-
Tin	mg/kg DM	232 ± 12.3	258.18 ± 36.048	34.8	111	0.36
TOC (as C)	mg/kg DM	38100 ± 846	- ± -	3810	-	-
Vanadium	mg/kg DM	106 ± 5.84	105.97 ± 4.079	16	99.5	-0.05
Zinc	mg/kg DM	3820 ± 88.8	3641.45 ± 169.695	382	95.2	-0.52
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	5.37 ± 0.046	0.48	112	4.67

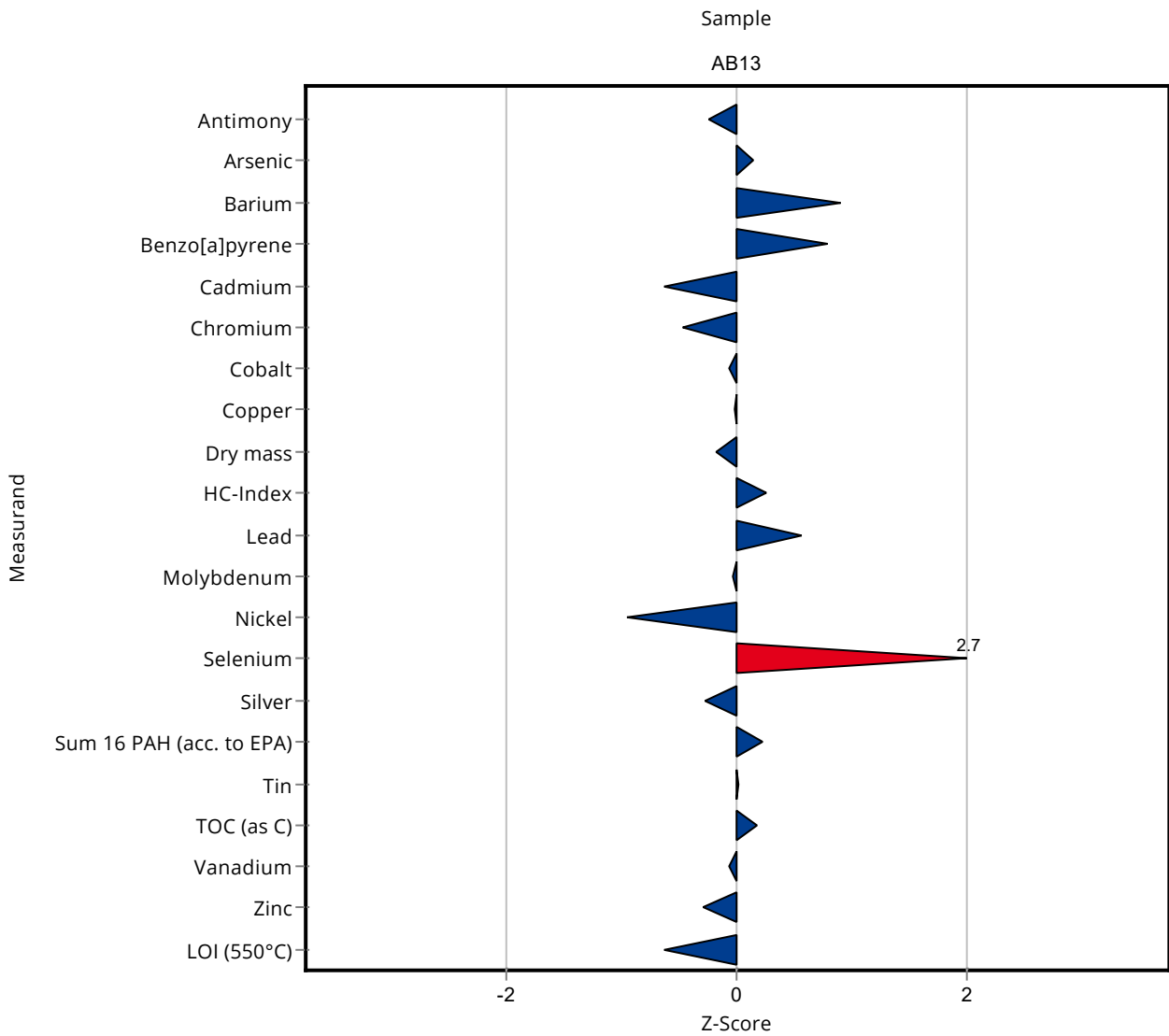


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13

Labcode: LC0015

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Antimony	mg/kg DM	92.9 ± 4.8	89.4 ± 13.9	13.9	96.3	-0.25
Arsenic	mg/kg DM	5.58 ± 0.298	5.7 ± 0.97	0.837	102	0.14
Barium	mg/kg DM	8850 ± 1720	12040 ± 1806	3540	136	0.90
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	0.1437 ± 0.0216	0.0494	137	0.78
Cadmium	mg/kg DM	1.04 ± 0.0519	0.942 ± 0.071	0.156	90.4	-0.64
Chromium	mg/kg DM	522 ± 29.2	485 ± 58.2	78.3	92.9	-0.47
Cobalt	mg/kg DM	71.1 ± 5.14	70.2 ± 11.58	12.8	98.7	-0.07
Copper	mg/kg DM	2260 ± 43.6	2250 ± 191	226	99.7	-0.03
Dry mass	%	99.4 ± 0.0533	99.3 ± 2.5	0.497	99.9	-0.19
HC-Index	mg/kg DM	1160 ± 157	1266 ± 266	407	109	0.25
Lead	mg/kg DM	165 ± 7.67	177.1 ± 23.9	21.5	107	0.55
Mercury	mg/kg DM	- ± -	0.036 ± 0.006	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	158.6 ± 30.1	15.9	99.7	-0.03
Nickel	mg/kg DM	490 ± 15.7	443 ± 46.5	49	90.5	-0.95
Selenium	mg/kg DM	1.25 ± 0.248	2.37 ± 0.18	0.414	189	2.70
Silver	mg/kg DM	5.48 ± 0.345	5.23 ± 0.97	0.877	95.4	-0.29
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	2.046 ± 0.307	0.683	108	0.22
Tin	mg/kg DM	232 ± 12.3	232.2 ± 24.4	34.8	100	0.01
TOC (as C)	mg/kg DM	38100 ± 846	38705 ± 6580	3810	102	0.17
Vanadium	mg/kg DM	106 ± 5.84	105.3 ± 18.4	16	98.9	-0.07
Zinc	mg/kg DM	3820 ± 88.8	3708 ± 501	382	97	-0.30
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	4.5 ± 0.01	0.48	93.7	-0.63

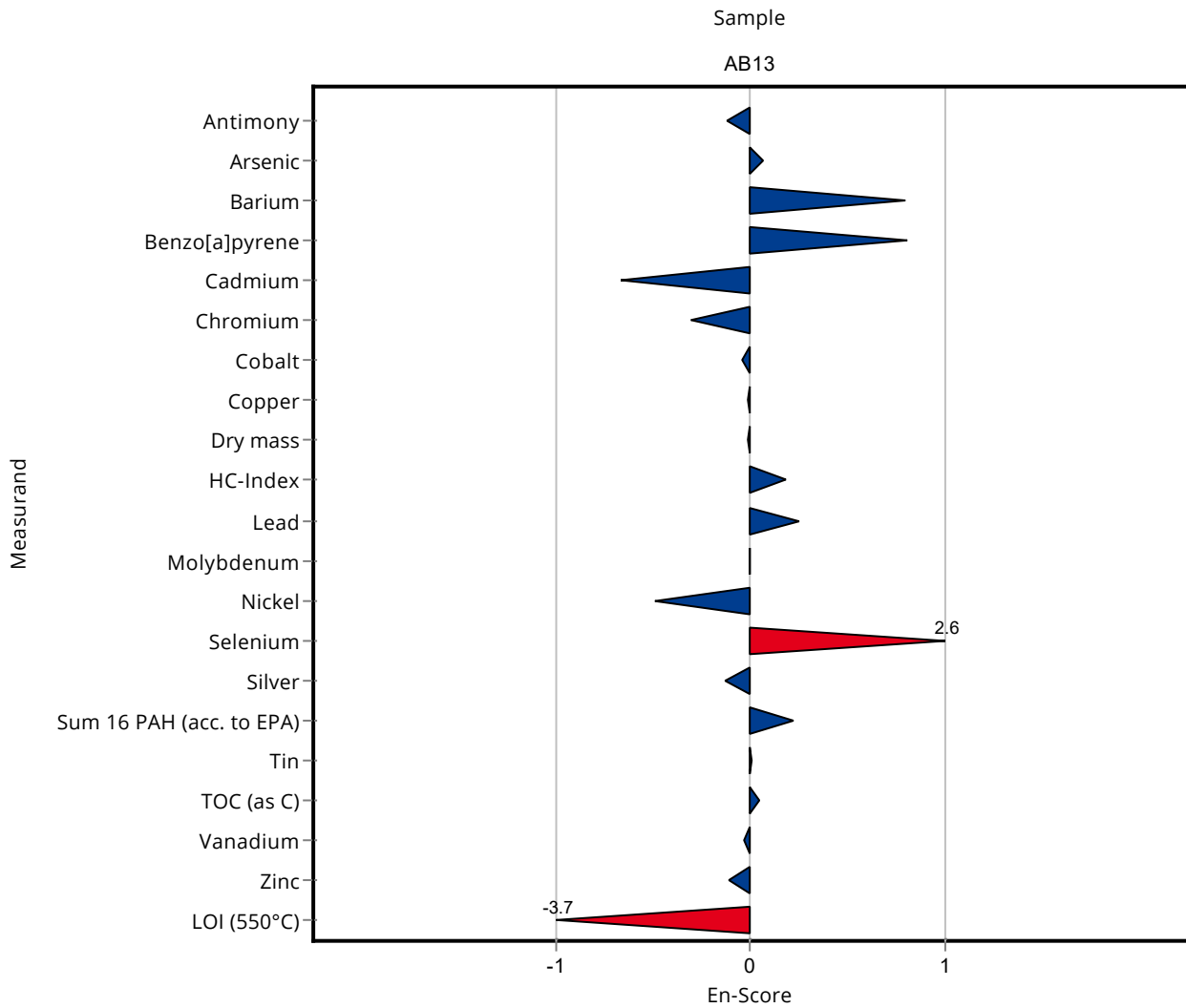


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13 - En-Score

Labcode: LC0015

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Antimony	mg/kg DM	92.9 ± 4.8	89.4 ± 13.9	13.9	96.3	-0.12
Arsenic	mg/kg DM	5.58 ± 0.298	5.7 ± 0.97	0.837	102	0.06
Barium	mg/kg DM	8850 ± 1720	12040 ± 1806	3540	136	0.80
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	0.1437 ± 0.0216	0.0494	137	0.80
Cadmium	mg/kg DM	1.04 ± 0.0519	0.942 ± 0.071	0.156	90.4	-0.66
Chromium	mg/kg DM	522 ± 29.2	485 ± 58.2	78.3	92.9	-0.31
Cobalt	mg/kg DM	71.1 ± 5.14	70.2 ± 11.58	12.8	98.7	-0.04
Copper	mg/kg DM	2260 ± 43.6	2250 ± 191	226	99.7	-0.01
Dry mass	%	99.4 ± 0.0533	99.3 ± 2.5	0.497	99.9	-0.02
HC-Index	mg/kg DM	1160 ± 157	1266 ± 266	407	109	0.18
Lead	mg/kg DM	165 ± 7.67	177.1 ± 23.9	21.5	107	0.25
Mercury	mg/kg DM	- ± -	0.036 ± 0.006	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	158.6 ± 30.1	15.9	99.7	-0.01
Nickel	mg/kg DM	490 ± 15.7	443 ± 46.5	49	90.5	-0.49
Selenium	mg/kg DM	1.25 ± 0.248	2.37 ± 0.18	0.414	189	2.55
Silver	mg/kg DM	5.48 ± 0.345	5.23 ± 0.97	0.877	95.4	-0.13
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	2.046 ± 0.307	0.683	108	0.22
Tin	mg/kg DM	232 ± 12.3	232.2 ± 24.4	34.8	100	0.00
TOC (as C)	mg/kg DM	38100 ± 846	38705 ± 6580	3810	102	0.05
Vanadium	mg/kg DM	106 ± 5.84	105.3 ± 18.4	16	98.9	-0.03
Zinc	mg/kg DM	3820 ± 88.8	3708 ± 501	382	97	-0.11
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	4.5 ± 0.01	0.48	93.7	-3.73

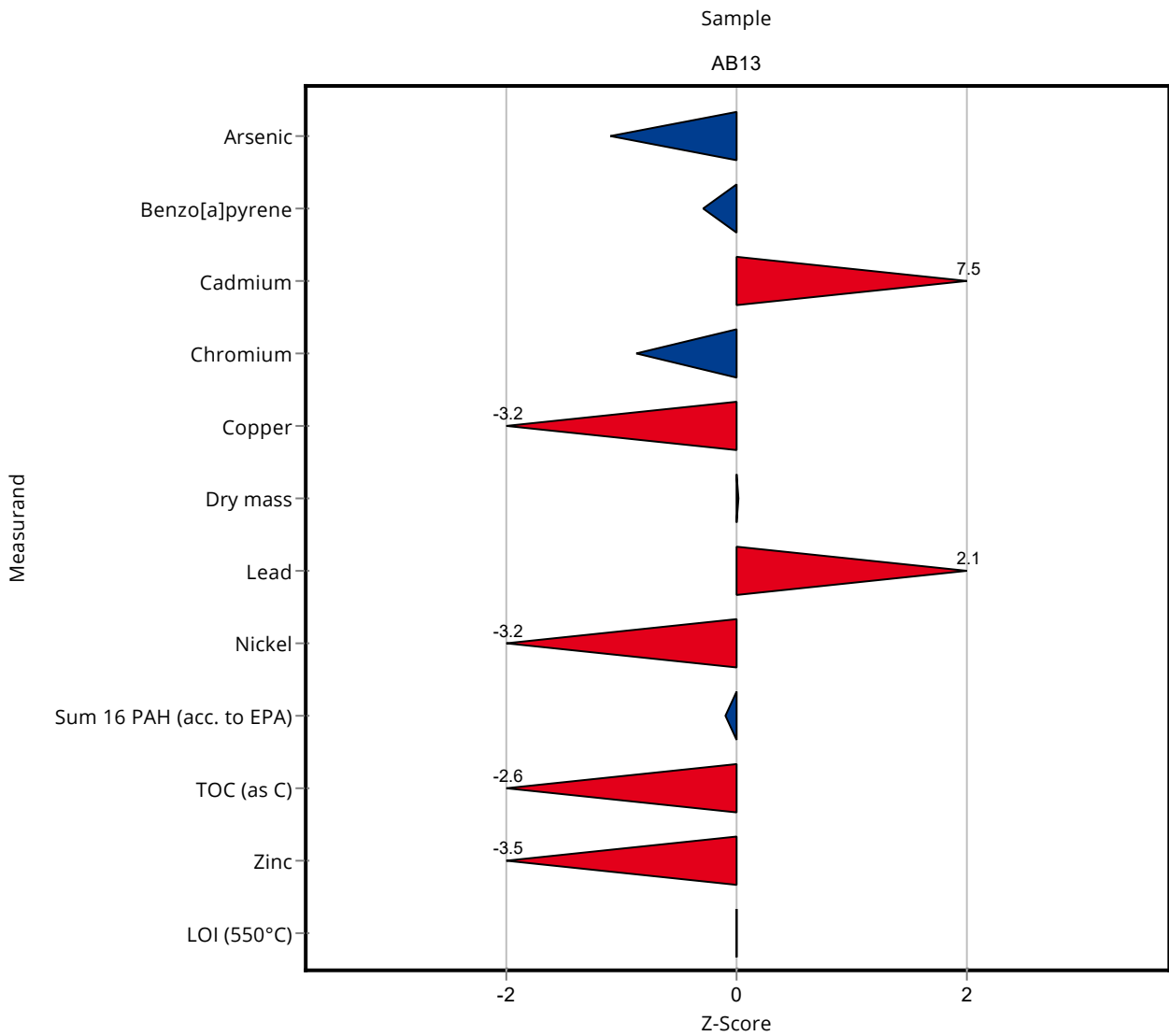


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13

Labcode: LC0016

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Antimony	mg/kg DM	92.9 ± 4.8	- ± -	13.9	-	-
Arsenic	mg/kg DM	5.58 ± 0.298	4.66 ± 0.33	0.837	83.5	-1.10
Barium	mg/kg DM	8850 ± 1720	- ± -	3540	-	-
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	0.09 ± 0.01	0.0494	85.7	-0.30
Cadmium	mg/kg DM	1.04 ± 0.0519	2.22 ± 0.13	0.156	213	7.53
Chromium	mg/kg DM	522 ± 29.2	453 ± 23	78.3	86.8	-0.88
Cobalt	mg/kg DM	71.1 ± 5.14	- ± -	12.8	-	-
Copper	mg/kg DM	2260 ± 43.6	1530 ± 92	226	67.8	-3.22
Dry mass	%	99.4 ± 0.0533	99.4 ± 0.99	0.497	100	0.01
HC-Index	mg/kg DM	1160 ± 157	- ± -	407	-	-
Lead	mg/kg DM	165 ± 7.67	210 ± 17	21.5	127	2.08
Mercury	mg/kg DM	- ± -	<0.1 (LOQ) ± -	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	- ± -	15.9	-	-
Nickel	mg/kg DM	490 ± 15.7	334 ± 19	49	68.2	-3.18
Selenium	mg/kg DM	1.25 ± 0.248	- ± -	0.414	-	-
Silver	mg/kg DM	5.48 ± 0.345	- ± -	0.877	-	-
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	1.82 ± 0.32	0.683	96	-0.11
Tin	mg/kg DM	232 ± 12.3	- ± -	34.8	-	-
TOC (as C)	mg/kg DM	38100 ± 846	28000 ± 2520	3810	73.6	-2.64
Vanadium	mg/kg DM	106 ± 5.84	- ± -	16	-	-
Zinc	mg/kg DM	3820 ± 88.8	2470 ± 198	382	64.6	-3.54
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	4.8 ± 0.29	0.48	99.9	-0.01

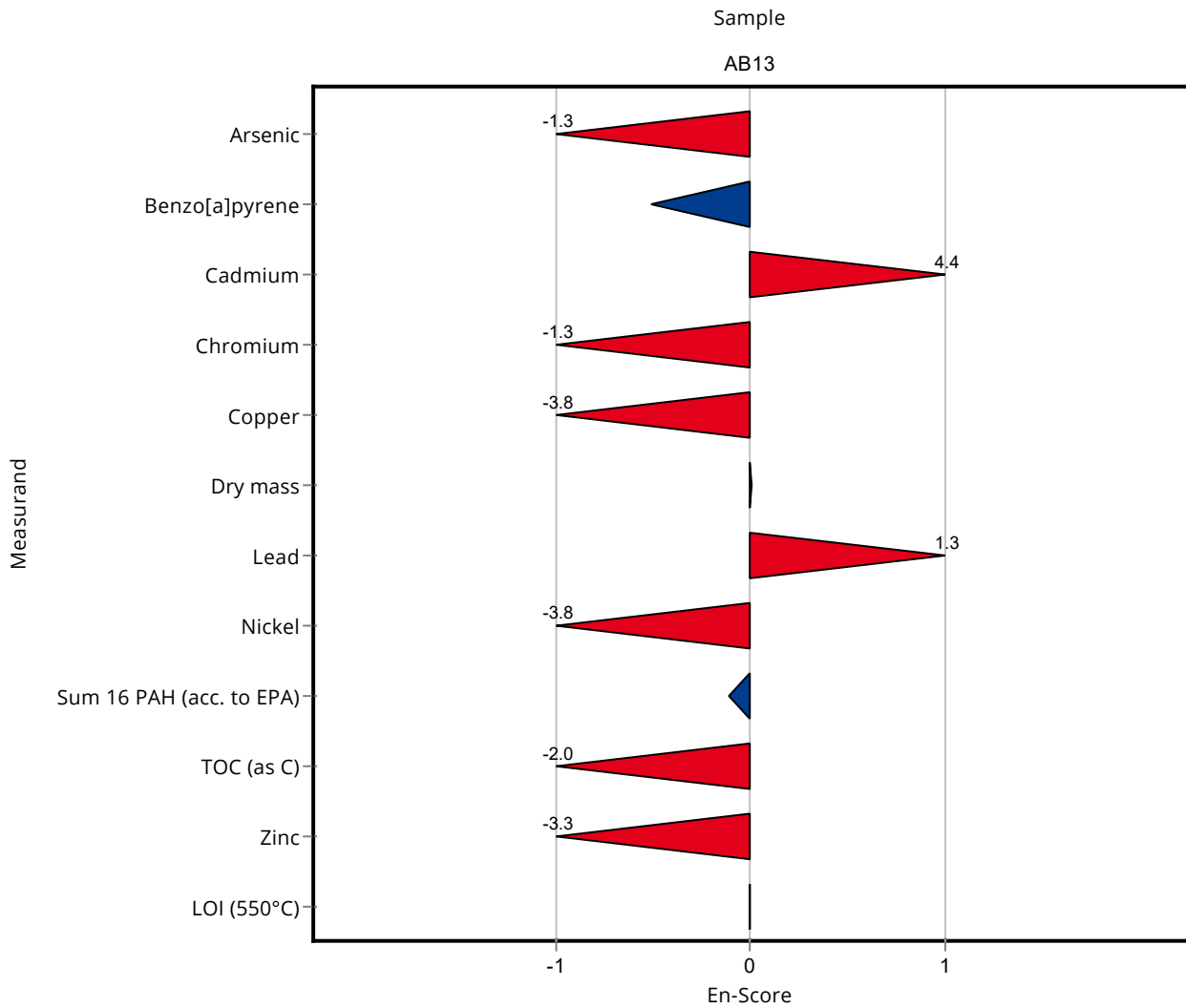


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13 - En-Score

Labcode: LC0016

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Antimony	mg/kg DM	92.9 ± 4.8	- ± -	13.9	-	-
Arsenic	mg/kg DM	5.58 ± 0.298	4.66 ± 0.33	0.837	83.5	-1.27
Barium	mg/kg DM	8850 ± 1720	- ± -	3540	-	-
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	0.09 ± 0.01	0.0494	85.7	-0.51
Cadmium	mg/kg DM	1.04 ± 0.0519	2.22 ± 0.13	0.156	213	4.44
Chromium	mg/kg DM	522 ± 29.2	453 ± 23	78.3	86.8	-1.27
Cobalt	mg/kg DM	71.1 ± 5.14	- ± -	12.8	-	-
Copper	mg/kg DM	2260 ± 43.6	1530 ± 92	226	67.8	-3.84
Dry mass	%	99.4 ± 0.0533	99.4 ± 0.99	0.497	100	0.00
HC-Index	mg/kg DM	1160 ± 157	- ± -	407	-	-
Lead	mg/kg DM	165 ± 7.67	210 ± 17	21.5	127	1.28
Mercury	mg/kg DM	- ± -	<0.1 (LOQ) ± -	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	- ± -	15.9	-	-
Nickel	mg/kg DM	490 ± 15.7	334 ± 19	49	68.2	-3.79
Selenium	mg/kg DM	1.25 ± 0.248	- ± -	0.414	-	-
Silver	mg/kg DM	5.48 ± 0.345	- ± -	0.877	-	-
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	1.82 ± 0.32	0.683	96	-0.11
Tin	mg/kg DM	232 ± 12.3	- ± -	34.8	-	-
TOC (as C)	mg/kg DM	38100 ± 846	28000 ± 2520	3810	73.6	-1.97
Vanadium	mg/kg DM	106 ± 5.84	- ± -	16	-	-
Zinc	mg/kg DM	3820 ± 88.8	2470 ± 198	382	64.6	-3.33
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	4.8 ± 0.29	0.48	99.9	-0.01

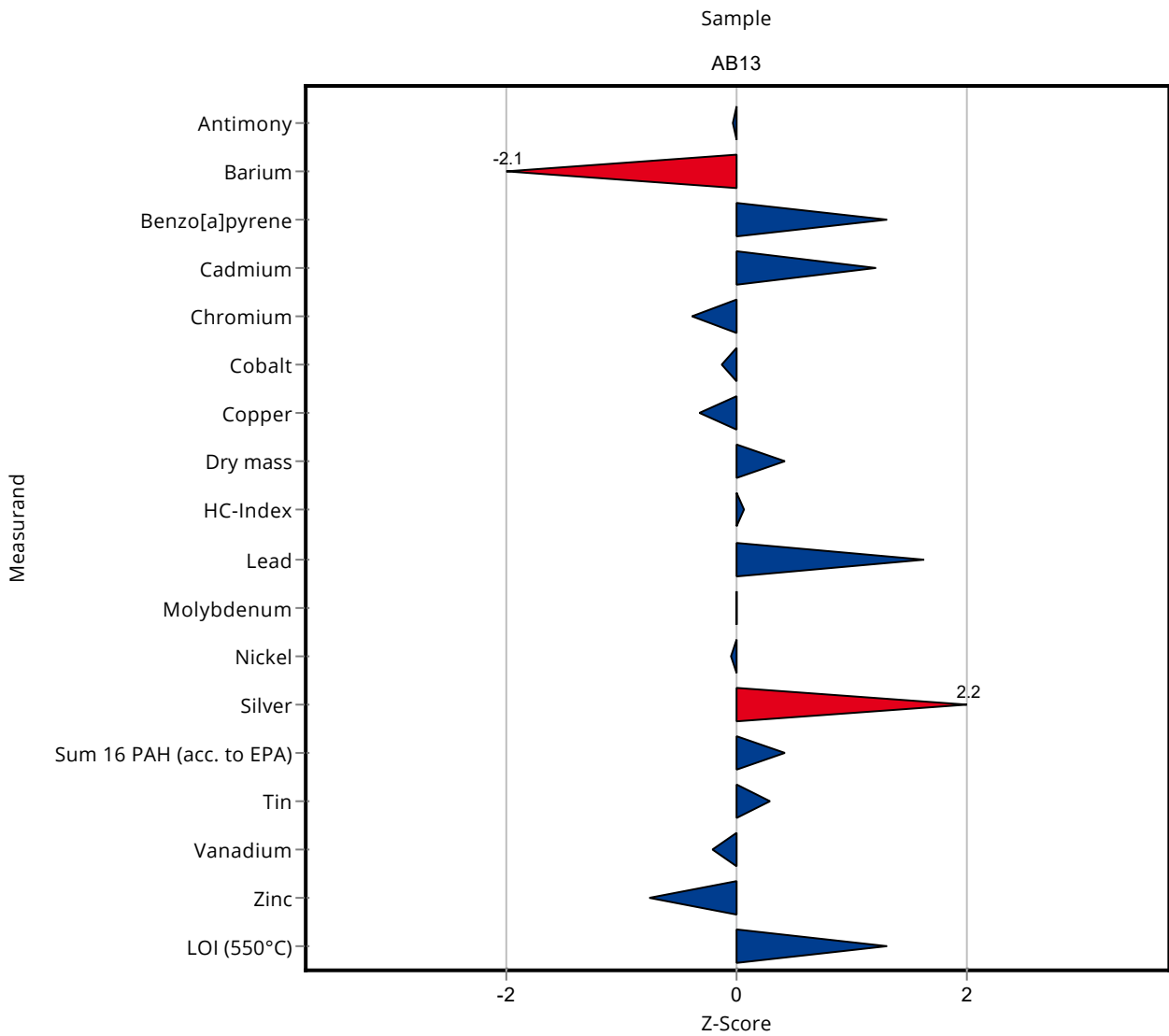


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13

Labcode: LC0017

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Antimony	mg/kg DM	92.9 ± 4.8	92.3 ± 6.6	13.9	99.4	-0.04
Arsenic	mg/kg DM	5.58 ± 0.298	<1.5 (LOQ) ± -	0.837	-	-
Barium	mg/kg DM	8850 ± 1720	1250 ± 96	3540	14.1	-2.15
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	0.169 ± 0.016	0.0494	161	1.30
Cadmium	mg/kg DM	1.04 ± 0.0519	1.23 ± 0.092	0.156	118	1.20
Chromium	mg/kg DM	522 ± 29.2	491 ± 33	78.3	94.1	-0.40
Cobalt	mg/kg DM	71.1 ± 5.14	69.3 ± 4	12.8	97.4	-0.14
Copper	mg/kg DM	2260 ± 43.6	2180 ± 120	226	96.6	-0.34
Dry mass	%	99.4 ± 0.0533	99.6 ± 2.5	0.497	100	0.41
HC-Index	mg/kg DM	1160 ± 157	1190 ± 88	407	102	0.06
Lead	mg/kg DM	165 ± 7.67	200 ± 11	21.5	121	1.62
Mercury	mg/kg DM	- ± -	0.089 ± 0.0069	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	159 ± 11	15.9	99.9	-0.01
Nickel	mg/kg DM	490 ± 15.7	487 ± 27	49	99.5	-0.05
Selenium	mg/kg DM	1.25 ± 0.248	<0.6 (LOQ) ± -	0.414	-	-
Silver	mg/kg DM	5.48 ± 0.345	7.43 ± 0.4	0.877	135	2.22
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	2.18 ± 0.22	0.683	115	0.41
Tin	mg/kg DM	232 ± 12.3	242 ± 17	34.8	104	0.29
TOC (as C)	mg/kg DM	38100 ± 846	- ± -	3810	-	-
Vanadium	mg/kg DM	106 ± 5.84	103 ± 7.1	16	96.7	-0.22
Zinc	mg/kg DM	3820 ± 88.8	3530 ± 205	382	92.3	-0.77
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	5.43 ± 0.2	0.48	113	1.30

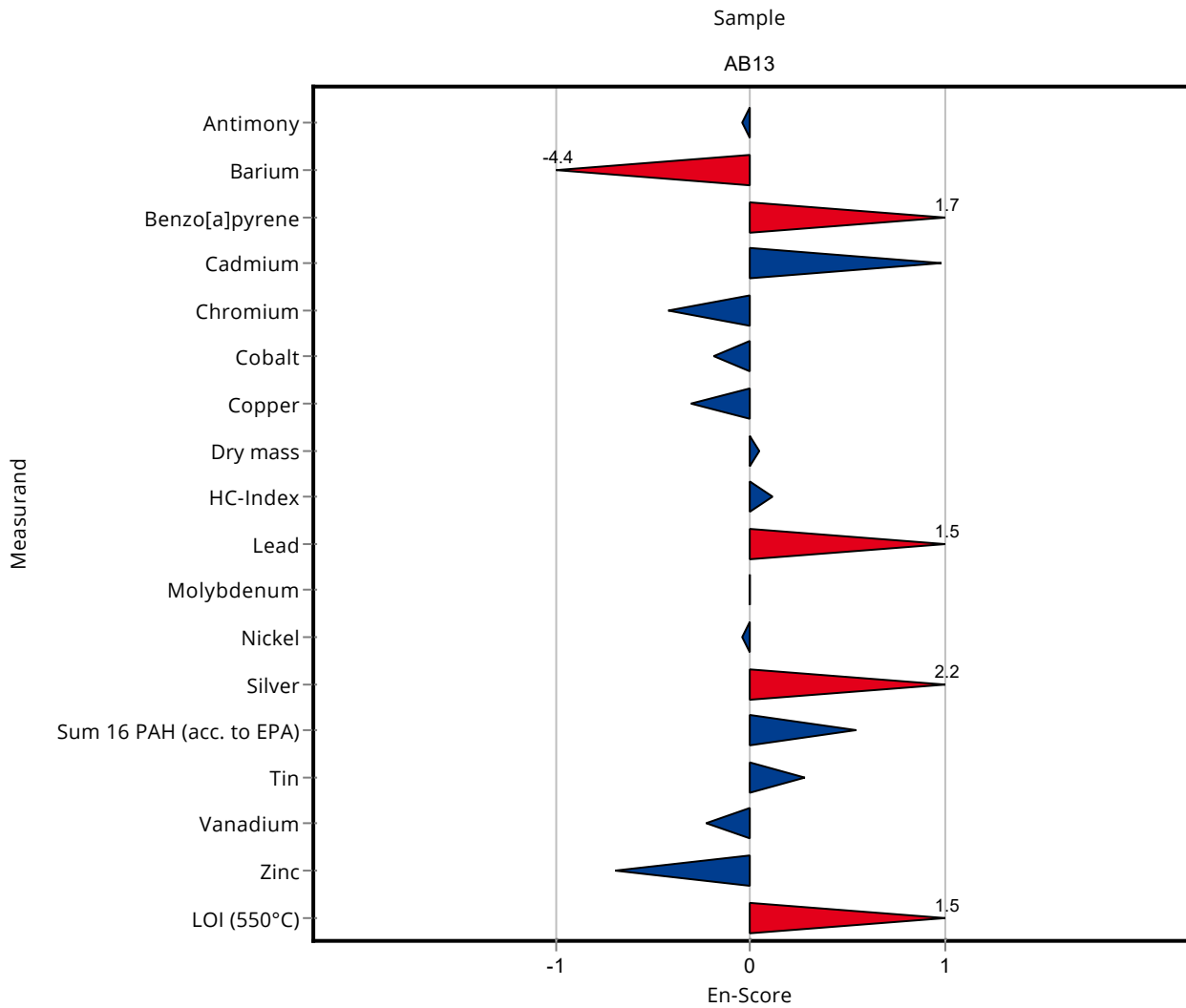


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13 - En-Score

Labcode: LC0017

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Antimony	mg/kg DM	92.9 ± 4.8	92.3 ± 6.6	13.9	99.4	-0.04
Arsenic	mg/kg DM	5.58 ± 0.298	<1.5 (LOQ) ± -	0.837	-	-
Barium	mg/kg DM	8850 ± 1720	1250 ± 96	3540	14.1	-4.39
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	0.169 ± 0.016	0.0494	161	1.66
Cadmium	mg/kg DM	1.04 ± 0.0519	1.23 ± 0.092	0.156	118	0.98
Chromium	mg/kg DM	522 ± 29.2	491 ± 33	78.3	94.1	-0.43
Cobalt	mg/kg DM	71.1 ± 5.14	69.3 ± 4	12.8	97.4	-0.19
Copper	mg/kg DM	2260 ± 43.6	2180 ± 120	226	96.6	-0.31
Dry mass	%	99.4 ± 0.0533	99.6 ± 2.5	0.497	100	0.04
HC-Index	mg/kg DM	1160 ± 157	1190 ± 88	407	102	0.11
Lead	mg/kg DM	165 ± 7.67	200 ± 11	21.5	121	1.49
Mercury	mg/kg DM	- ± -	0.089 ± 0.0069	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	159 ± 11	15.9	99.9	-0.01
Nickel	mg/kg DM	490 ± 15.7	487 ± 27	49	99.5	-0.05
Selenium	mg/kg DM	1.25 ± 0.248	<0.6 (LOQ) ± -	0.414	-	-
Silver	mg/kg DM	5.48 ± 0.345	7.43 ± 0.4	0.877	135	2.23
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	2.18 ± 0.22	0.683	115	0.54
Tin	mg/kg DM	232 ± 12.3	242 ± 17	34.8	104	0.28
TOC (as C)	mg/kg DM	38100 ± 846	- ± -	3810	-	-
Vanadium	mg/kg DM	106 ± 5.84	103 ± 7.1	16	96.7	-0.23
Zinc	mg/kg DM	3820 ± 88.8	3530 ± 205	382	92.3	-0.70
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	5.43 ± 0.2	0.48	113	1.54

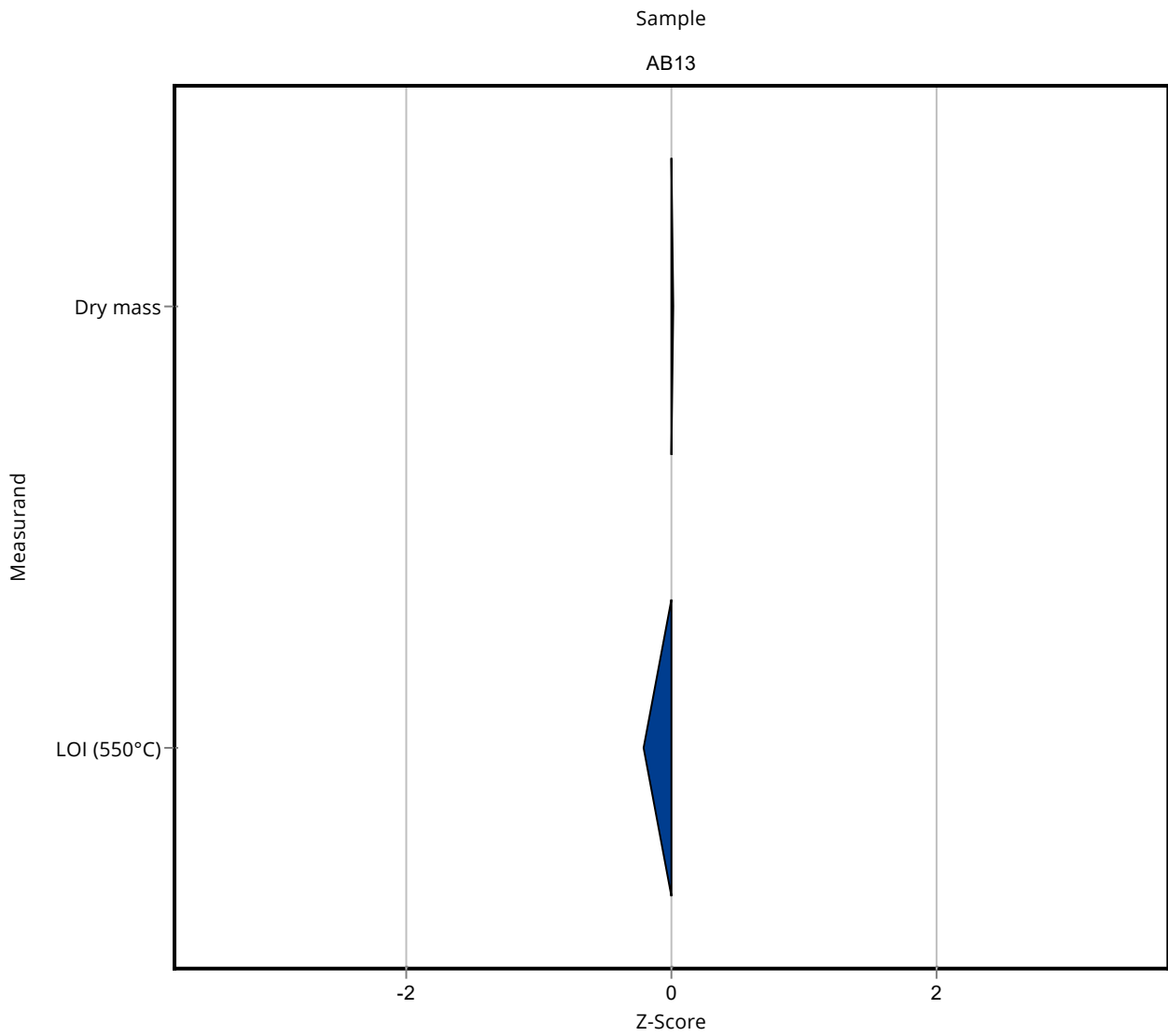


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13

Labcode: LC0018

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Antimony	mg/kg DM	92.9 ± 4.8	- ± -	13.9	-	-
Arsenic	mg/kg DM	5.58 ± 0.298	- ± -	0.837	-	-
Barium	mg/kg DM	8850 ± 1720	- ± -	3540	-	-
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	- ± -	0.0494	-	-
Cadmium	mg/kg DM	1.04 ± 0.0519	- ± -	0.156	-	-
Chromium	mg/kg DM	522 ± 29.2	- ± -	78.3	-	-
Cobalt	mg/kg DM	71.1 ± 5.14	- ± -	12.8	-	-
Copper	mg/kg DM	2260 ± 43.6	- ± -	226	-	-
Dry mass	%	99.4 ± 0.0533	99.4 ± 0.013	0.497	100	0.01
HC-Index	mg/kg DM	1160 ± 157	- ± -	407	-	-
Lead	mg/kg DM	165 ± 7.67	- ± -	21.5	-	-
Mercury	mg/kg DM	- ± -	- ± -	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	- ± -	15.9	-	-
Nickel	mg/kg DM	490 ± 15.7	- ± -	49	-	-
Selenium	mg/kg DM	1.25 ± 0.248	- ± -	0.414	-	-
Silver	mg/kg DM	5.48 ± 0.345	- ± -	0.877	-	-
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	- ± -	0.683	-	-
Tin	mg/kg DM	232 ± 12.3	- ± -	34.8	-	-
TOC (as C)	mg/kg DM	38100 ± 846	- ± -	3810	-	-
Vanadium	mg/kg DM	106 ± 5.84	- ± -	16	-	-
Zinc	mg/kg DM	3820 ± 88.8	- ± -	382	-	-
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	4.7 ± 0.16	0.48	97.8	-0.22

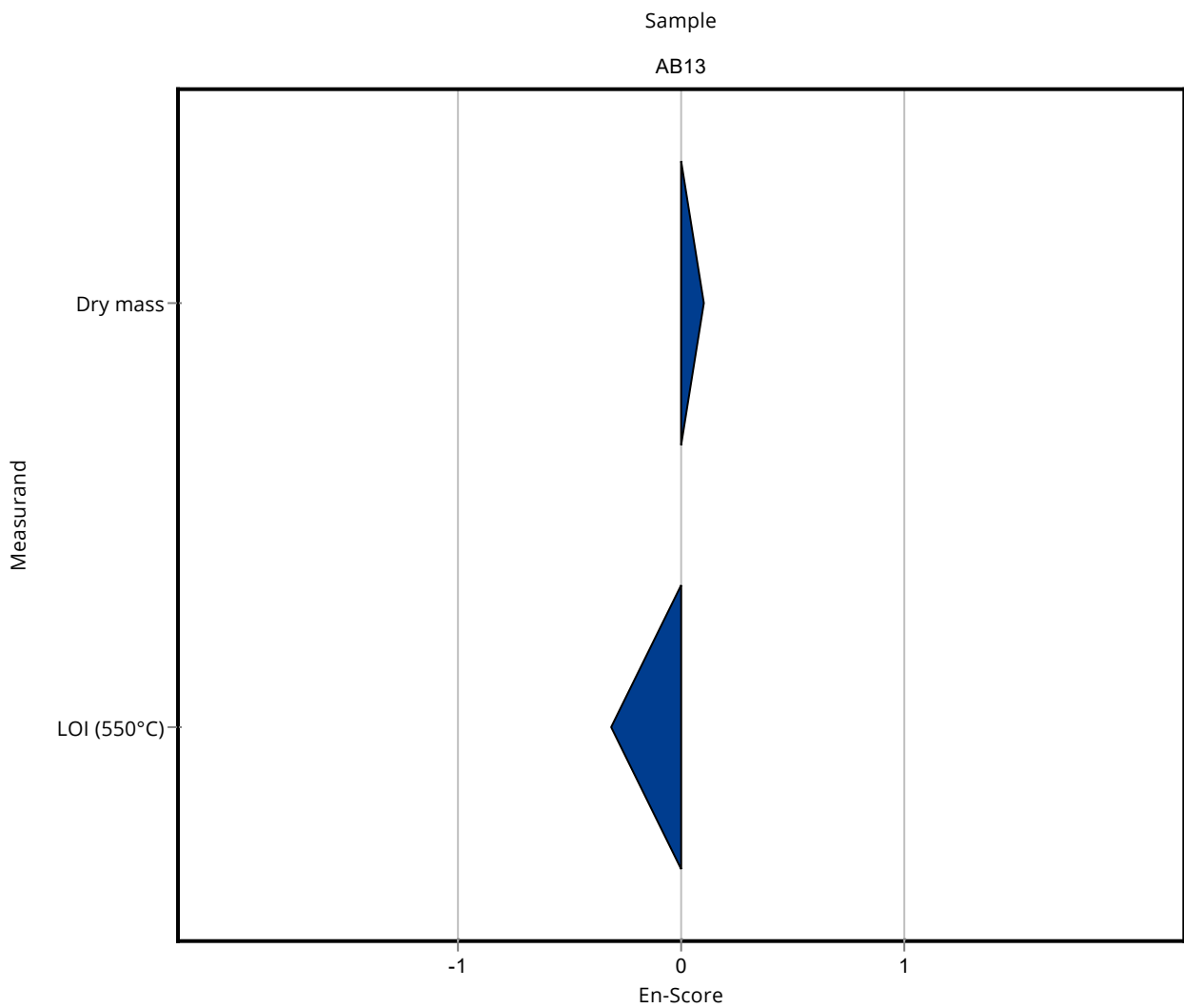


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13 - En-Score

Labcode: LC0018

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Antimony	mg/kg DM	92.9 ± 4.8	- ± -	13.9	-	-
Arsenic	mg/kg DM	5.58 ± 0.298	- ± -	0.837	-	-
Barium	mg/kg DM	8850 ± 1720	- ± -	3540	-	-
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	- ± -	0.0494	-	-
Cadmium	mg/kg DM	1.04 ± 0.0519	- ± -	0.156	-	-
Chromium	mg/kg DM	522 ± 29.2	- ± -	78.3	-	-
Cobalt	mg/kg DM	71.1 ± 5.14	- ± -	12.8	-	-
Copper	mg/kg DM	2260 ± 43.6	- ± -	226	-	-
Dry mass	%	99.4 ± 0.0533	99.4 ± 0.013	0.497	100	0.10
HC-Index	mg/kg DM	1160 ± 157	- ± -	407	-	-
Lead	mg/kg DM	165 ± 7.67	- ± -	21.5	-	-
Mercury	mg/kg DM	- ± -	- ± -	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	- ± -	15.9	-	-
Nickel	mg/kg DM	490 ± 15.7	- ± -	49	-	-
Selenium	mg/kg DM	1.25 ± 0.248	- ± -	0.414	-	-
Silver	mg/kg DM	5.48 ± 0.345	- ± -	0.877	-	-
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	- ± -	0.683	-	-
Tin	mg/kg DM	232 ± 12.3	- ± -	34.8	-	-
TOC (as C)	mg/kg DM	38100 ± 846	- ± -	3810	-	-
Vanadium	mg/kg DM	106 ± 5.84	- ± -	16	-	-
Zinc	mg/kg DM	3820 ± 88.8	- ± -	382	-	-
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	4.7 ± 0.16	0.48	97.8	-0.31

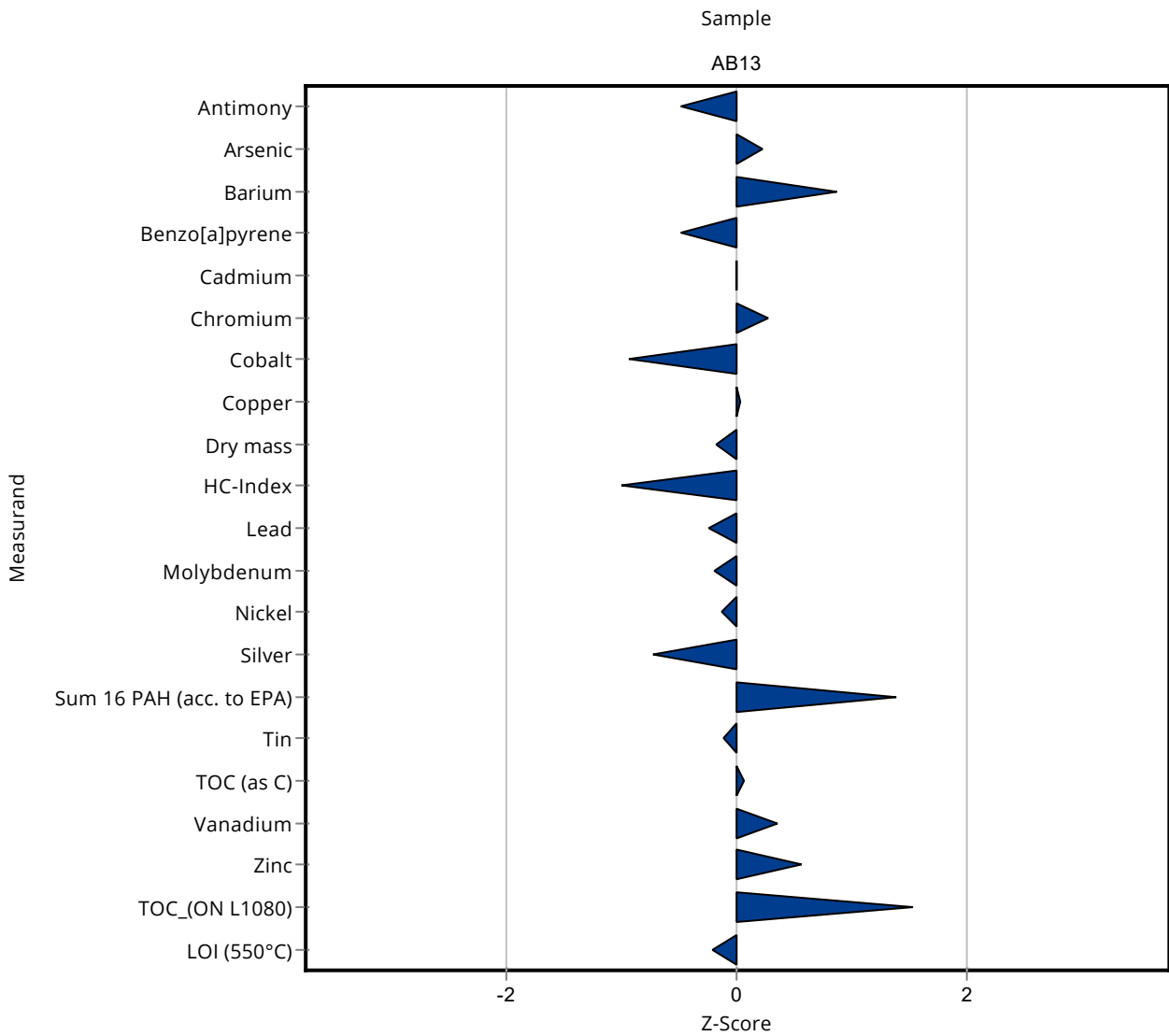


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13

Labcode: LC0019

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Antimony	mg/kg DM	92.9 ± 4.8	86 ± 6.88	13.9	92.6	-0.49
Arsenic	mg/kg DM	5.58 ± 0.298	5.76 ± 0.461	0.837	103	0.21
Barium	mg/kg DM	8850 ± 1720	11934 ± 955	3540	135	0.87
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	0.081 ± 0.0178	0.0494	77.1	-0.49
Cadmium	mg/kg DM	1.04 ± 0.0519	1.04 ± 0.0832	0.156	99.8	-0.02
Chromium	mg/kg DM	522 ± 29.2	543 ± 43.4	78.3	104	0.27
Cobalt	mg/kg DM	71.1 ± 5.14	59.1 ± 4.73	12.8	83.1	-0.94
Copper	mg/kg DM	2260 ± 43.6	2260 ± 181	226	100	0.02
Dry mass	%	99.4 ± 0.0533	99.3 ± 2.98	0.497	99.9	-0.19
HC-Index	mg/kg DM	1160 ± 157	750 ± 150	407	64.4	-1.02
Lead	mg/kg DM	165 ± 7.67	160 ± 12.8	21.5	96.8	-0.24
Mercury	mg/kg DM	- ± -	0.068 ± 0.0102	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	156 ± 12.5	15.9	98	-0.20
Nickel	mg/kg DM	490 ± 15.7	483 ± 38.6	49	98.6	-0.14
Selenium	mg/kg DM	1.25 ± 0.248	<5.3 (LOQ) ± -	0.414	-	-
Silver	mg/kg DM	5.48 ± 0.345	4.84 ± 0.532	0.877	88.3	-0.73
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	2.84 ± 0.625	0.683	150	1.38
Tin	mg/kg DM	232 ± 12.3	228 ± 25.1	34.8	98.3	-0.11
TOC (as C)	mg/kg DM	38100 ± 846	38300 ± 4979	3810	101	0.06
Vanadium	mg/kg DM	106 ± 5.84	112 ± 8.96	16	105	0.35
Zinc	mg/kg DM	3820 ± 88.8	4034 ± 484	382	106	0.55
TOC_(ON L1080)	% dm	3.8 ± 0.0949	4.38 ± 0.657	0.38	115	1.53
LOI (550°C)	% dm	4.8 ± 0.0789	4.7 ± 0.235	0.48	97.8	-0.22

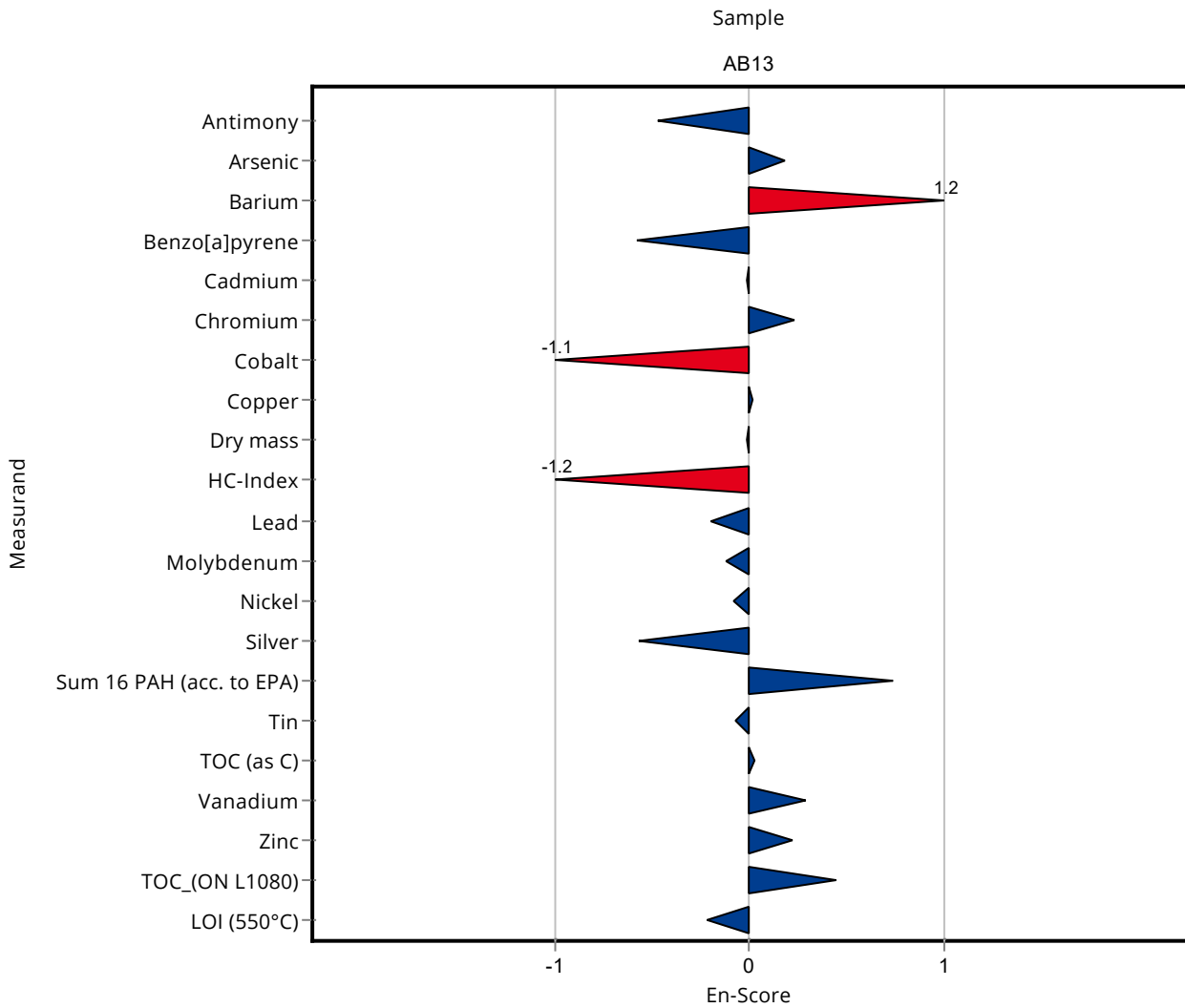


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13 - En-Score

Labcode: LC0019

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Antimony	mg/kg DM	92.9 ± 4.8	86 ± 6.88	13.9	92.6	-0.47
Arsenic	mg/kg DM	5.58 ± 0.298	5.76 ± 0.461	0.837	103	0.18
Barium	mg/kg DM	8850 ± 1720	11934 ± 955	3540	135	1.20
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	0.081 ± 0.0178	0.0494	77.1	-0.58
Cadmium	mg/kg DM	1.04 ± 0.0519	1.04 ± 0.0832	0.156	99.8	-0.01
Chromium	mg/kg DM	522 ± 29.2	543 ± 43.4	78.3	104	0.23
Cobalt	mg/kg DM	71.1 ± 5.14	59.1 ± 4.73	12.8	83.1	-1.12
Copper	mg/kg DM	2260 ± 43.6	2260 ± 181	226	100	0.01
Dry mass	%	99.4 ± 0.0533	99.3 ± 2.98	0.497	99.9	-0.02
HC-Index	mg/kg DM	1160 ± 157	750 ± 150	407	64.4	-1.22
Lead	mg/kg DM	165 ± 7.67	160 ± 12.8	21.5	96.8	-0.20
Mercury	mg/kg DM	- ± -	0.068 ± 0.0102	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	156 ± 12.5	15.9	98	-0.12
Nickel	mg/kg DM	490 ± 15.7	483 ± 38.6	49	98.6	-0.08
Selenium	mg/kg DM	1.25 ± 0.248	<5.3 (LOQ) ± -	0.414	-	-
Silver	mg/kg DM	5.48 ± 0.345	4.84 ± 0.532	0.877	88.3	-0.58
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	2.84 ± 0.625	0.683	150	0.74
Tin	mg/kg DM	232 ± 12.3	228 ± 25.1	34.8	98.3	-0.08
TOC (as C)	mg/kg DM	38100 ± 846	38300 ± 4979	3810	101	0.02
Vanadium	mg/kg DM	106 ± 5.84	112 ± 8.96	16	105	0.29
Zinc	mg/kg DM	3820 ± 88.8	4034 ± 484	382	106	0.22
TOC_(ON L1080)	% dm	3.8 ± 0.0949	4.38 ± 0.657	0.38	115	0.44
LOI (550°C)	% dm	4.8 ± 0.0789	4.7 ± 0.235	0.48	97.8	-0.22



Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13

Labcode: LC0020

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Antimony	mg/kg DM	92.9 ± 4.8	- ± -	13.9	-	-
Arsenic	mg/kg DM	5.58 ± 0.298	- ± -	0.837	-	-
Barium	mg/kg DM	8850 ± 1720	- ± -	3540	-	-
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	- ± -	0.0494	-	-
Cadmium	mg/kg DM	1.04 ± 0.0519	- ± -	0.156	-	-
Chromium	mg/kg DM	522 ± 29.2	- ± -	78.3	-	-
Cobalt	mg/kg DM	71.1 ± 5.14	- ± -	12.8	-	-
Copper	mg/kg DM	2260 ± 43.6	- ± -	226	-	-
Dry mass	%	99.4 ± 0.0533	- ± -	0.497	-	-
HC-Index	mg/kg DM	1160 ± 157	- ± -	407	-	-
Lead	mg/kg DM	165 ± 7.67	- ± -	21.5	-	-
Mercury	mg/kg DM	- ± -	- ± -	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	- ± -	15.9	-	-
Nickel	mg/kg DM	490 ± 15.7	- ± -	49	-	-
Selenium	mg/kg DM	1.25 ± 0.248	- ± -	0.414	-	-
Silver	mg/kg DM	5.48 ± 0.345	- ± -	0.877	-	-
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	- ± -	0.683	-	-
Tin	mg/kg DM	232 ± 12.3	- ± -	34.8	-	-
TOC (as C)	mg/kg DM	38100 ± 846	- ± -	3810	-	-
Vanadium	mg/kg DM	106 ± 5.84	- ± -	16	-	-
Zinc	mg/kg DM	3820 ± 88.8	- ± -	382	-	-
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	- ± -	0.48	-	-

Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13 - En-Score

Labcode: LC0020

Sample: AB13

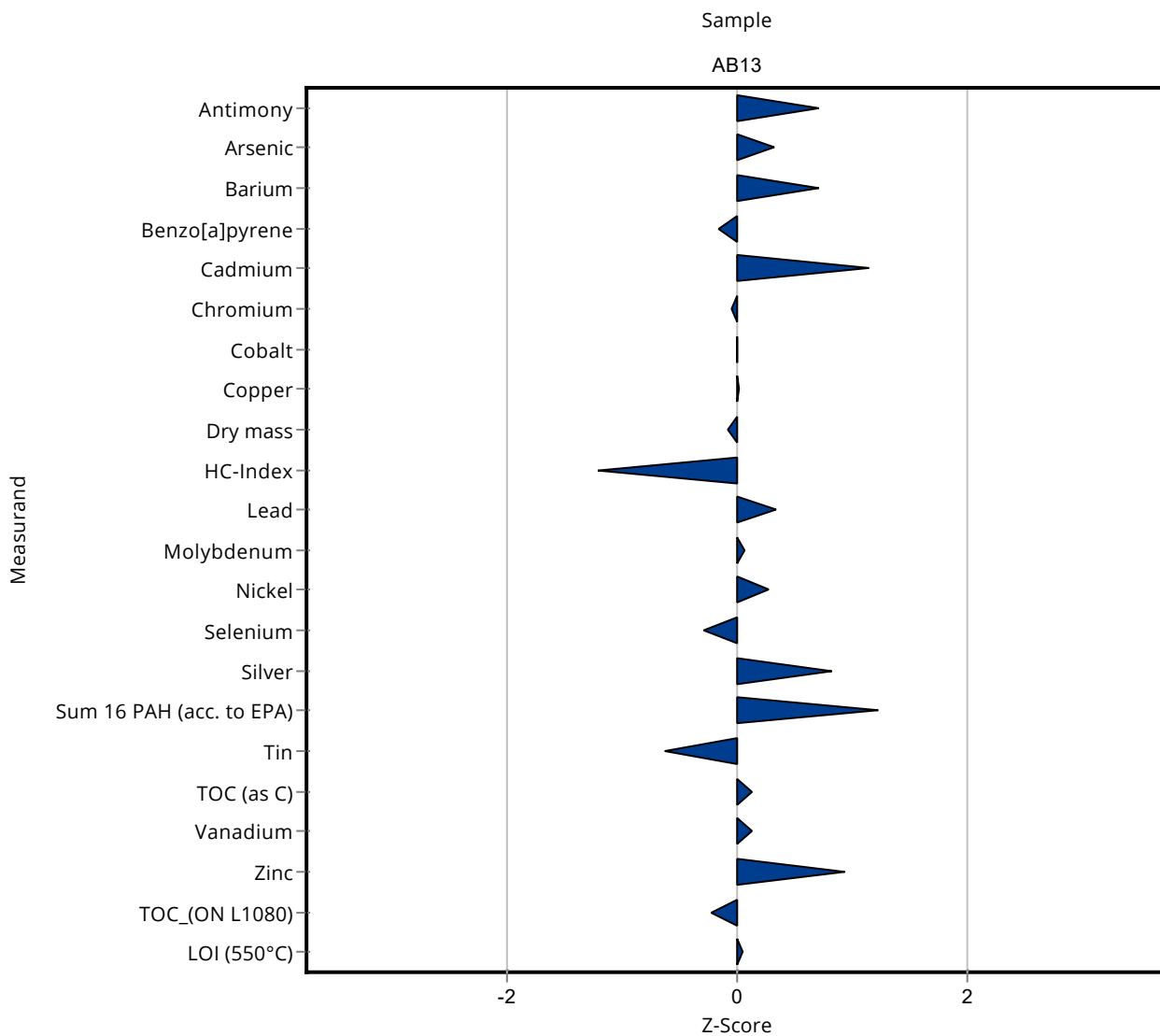
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Antimony	mg/kg DM	92.9 ± 4.8	- ± -	13.9	-	-
Arsenic	mg/kg DM	5.58 ± 0.298	- ± -	0.837	-	-
Barium	mg/kg DM	8850 ± 1720	- ± -	3540	-	-
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	- ± -	0.0494	-	-
Cadmium	mg/kg DM	1.04 ± 0.0519	- ± -	0.156	-	-
Chromium	mg/kg DM	522 ± 29.2	- ± -	78.3	-	-
Cobalt	mg/kg DM	71.1 ± 5.14	- ± -	12.8	-	-
Copper	mg/kg DM	2260 ± 43.6	- ± -	226	-	-
Dry mass	%	99.4 ± 0.0533	- ± -	0.497	-	-
HC-Index	mg/kg DM	1160 ± 157	- ± -	407	-	-
Lead	mg/kg DM	165 ± 7.67	- ± -	21.5	-	-
Mercury	mg/kg DM	- ± -	- ± -	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	- ± -	15.9	-	-
Nickel	mg/kg DM	490 ± 15.7	- ± -	49	-	-
Selenium	mg/kg DM	1.25 ± 0.248	- ± -	0.414	-	-
Silver	mg/kg DM	5.48 ± 0.345	- ± -	0.877	-	-
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	- ± -	0.683	-	-
Tin	mg/kg DM	232 ± 12.3	- ± -	34.8	-	-
TOC (as C)	mg/kg DM	38100 ± 846	- ± -	3810	-	-
Vanadium	mg/kg DM	106 ± 5.84	- ± -	16	-	-
Zinc	mg/kg DM	3820 ± 88.8	- ± -	382	-	-
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	- ± -	0.48	-	-

Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13

Labcode: LC0021

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Antimony	mg/kg DM	92.9 ± 4.8	102.73 ± 31.94	13.9	111	0.71
Arsenic	mg/kg DM	5.58 ± 0.298	5.84 ± 0.584	0.837	105	0.31
Barium	mg/kg DM	8850 ± 1720	11368.05 ± 1136.8	3540	128	0.71
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	0.097 ± 0.013	0.0494	92.3	-0.16
Cadmium	mg/kg DM	1.04 ± 0.0519	1.22 ± 0.088	0.156	117	1.14
Chromium	mg/kg DM	522 ± 29.2	517.55 ± 55.43	78.3	99.2	-0.06
Cobalt	mg/kg DM	71.1 ± 5.14	71.02 ± 7.1	12.8	99.8	-0.01
Copper	mg/kg DM	2260 ± 43.6	2258.6 ± 207.34	226	100	0.01
Dry mass	%	99.4 ± 0.0533	99.35 ± 4.47	0.497	100	-0.09
HC-Index	mg/kg DM	1160 ± 157	668.48 ± 141.67	407	57.4	-1.22
Lead	mg/kg DM	165 ± 7.67	172.28 ± 11.77	21.5	104	0.33
Mercury	mg/kg DM	- ± -	0.041 ± 0.0082	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	160.05 ± 16.01	15.9	101	0.06
Nickel	mg/kg DM	490 ± 15.7	502.78 ± 49.52	49	103	0.27
Selenium	mg/kg DM	1.25 ± 0.248	1.13 ± 0.255	0.414	90.1	-0.30
Silver	mg/kg DM	5.48 ± 0.345	6.2 ± 0.62	0.877	113	0.82
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	2.727 ± 0.818	0.683	144	1.22
Tin	mg/kg DM	232 ± 12.3	209.7 ± 20.97	34.8	90.4	-0.64
TOC (as C)	mg/kg DM	38100 ± 846	38556.3 ± 1928	3810	101	0.13
Vanadium	mg/kg DM	106 ± 5.84	108.48 ± 10.85	16	102	0.12
Zinc	mg/kg DM	3820 ± 88.8	4179.49 ± 417.95	382	109	0.93
TOC_(ON L1080)	% dm	3.8 ± 0.0949	3.71 ± 1.3	0.38	97.6	-0.24
LOI (550°C)	% dm	4.8 ± 0.0789	4.82 ± 0.58	0.48	100	0.03

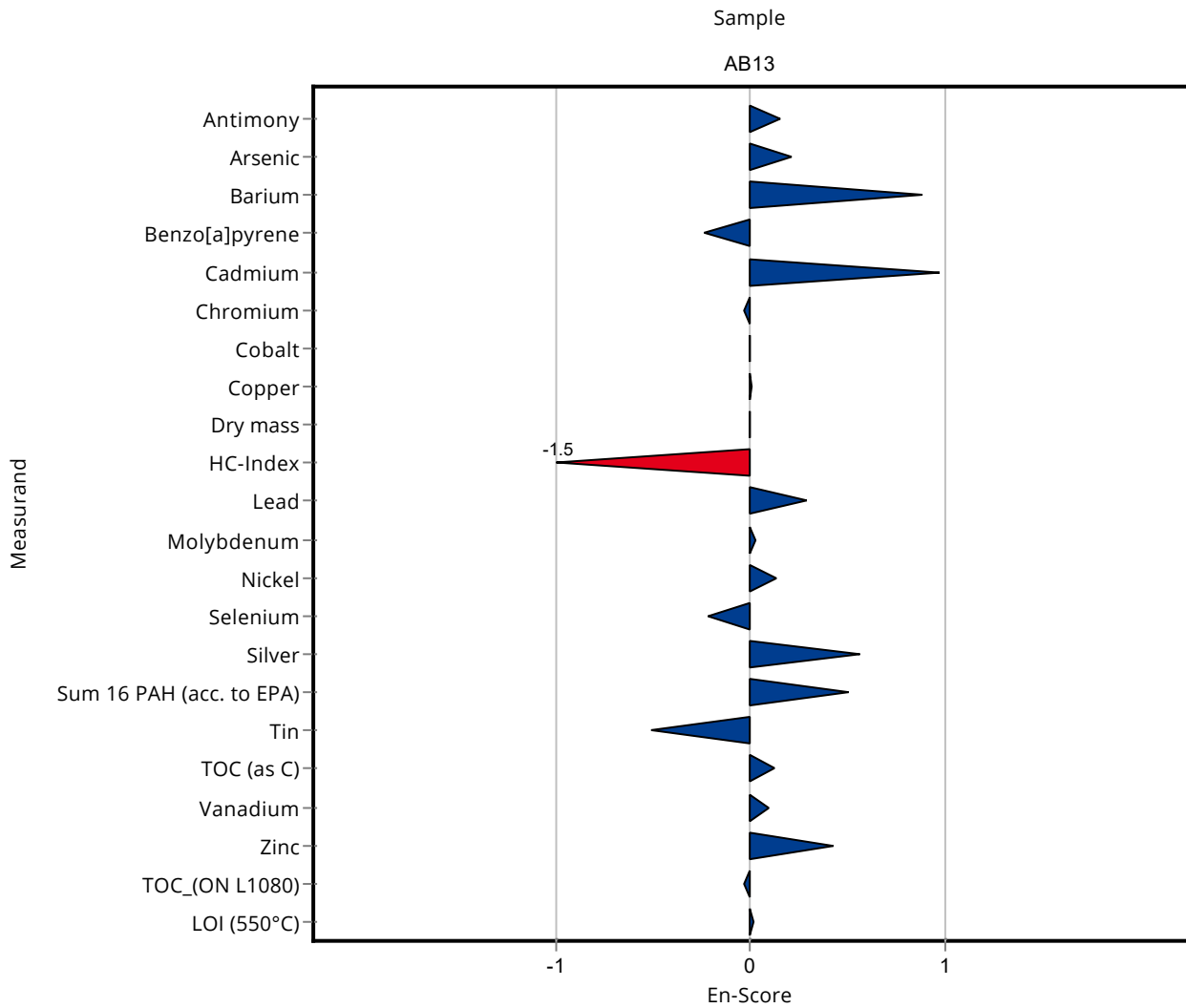


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13 - En-Score

Labcode: LC0021

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Antimony	mg/kg DM	92.9 ± 4.8	102.73 ± 31.94	13.9	111	0.15
Arsenic	mg/kg DM	5.58 ± 0.298	5.84 ± 0.584	0.837	105	0.21
Barium	mg/kg DM	8850 ± 1720	11368.05 ± 1136.8	3540	128	0.88
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	0.097 ± 0.013	0.0494	92.3	-0.24
Cadmium	mg/kg DM	1.04 ± 0.0519	1.22 ± 0.088	0.156	117	0.97
Chromium	mg/kg DM	522 ± 29.2	517.55 ± 55.43	78.3	99.2	-0.04
Cobalt	mg/kg DM	71.1 ± 5.14	71.02 ± 7.1	12.8	99.8	-0.01
Copper	mg/kg DM	2260 ± 43.6	2258.6 ± 207.34	226	100	0.01
Dry mass	%	99.4 ± 0.0533	99.35 ± 4.47	0.497	100	0.00
HC-Index	mg/kg DM	1160 ± 157	668.48 ± 141.67	407	57.4	-1.53
Lead	mg/kg DM	165 ± 7.67	172.28 ± 11.77	21.5	104	0.28
Mercury	mg/kg DM	- ± -	0.041 ± 0.0082	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	160.05 ± 16.01	15.9	101	0.03
Nickel	mg/kg DM	490 ± 15.7	502.78 ± 49.52	49	103	0.13
Selenium	mg/kg DM	1.25 ± 0.248	1.13 ± 0.255	0.414	90.1	-0.22
Silver	mg/kg DM	5.48 ± 0.345	6.2 ± 0.62	0.877	113	0.56
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	2.727 ± 0.818	0.683	144	0.50
Tin	mg/kg DM	232 ± 12.3	209.7 ± 20.97	34.8	90.4	-0.51
TOC (as C)	mg/kg DM	38100 ± 846	38556.3 ± 1928	3810	101	0.12
Vanadium	mg/kg DM	106 ± 5.84	108.48 ± 10.85	16	102	0.09
Zinc	mg/kg DM	3820 ± 88.8	4179.49 ± 417.95	382	109	0.42
TOC_(ON L1080)	% dm	3.8 ± 0.0949	3.71 ± 1.3	0.38	97.6	-0.03
LOI (550°C)	% dm	4.8 ± 0.0789	4.82 ± 0.58	0.48	100	0.01

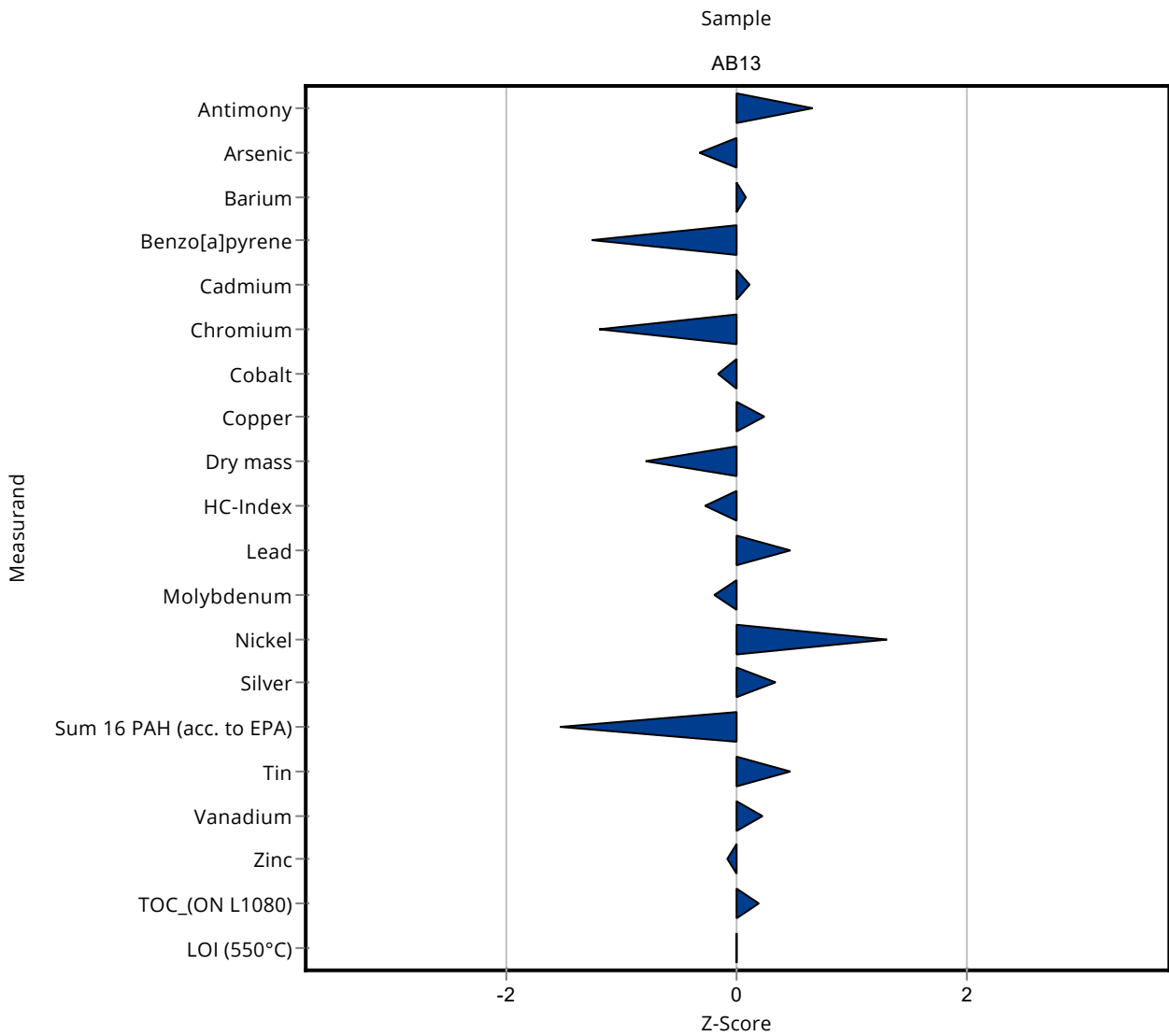


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13

Labcode: LC0022

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Antimony	mg/kg DM	92.9 ± 4.8	102 ± 10.2	13.9	110	0.66
Arsenic	mg/kg DM	5.58 ± 0.298	5.3 ± 0.53	0.837	94.9	-0.34
Barium	mg/kg DM	8850 ± 1720	9100 ± 910	3540	103	0.07
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	0.0424 ± 0.00424	0.0494	40.4	-1.27
Cadmium	mg/kg DM	1.04 ± 0.0519	1.06 ± 0.106	0.156	102	0.11
Chromium	mg/kg DM	522 ± 29.2	428 ± 42.8	78.3	82	-1.20
Cobalt	mg/kg DM	71.1 ± 5.14	69 ± 6.9	12.8	97	-0.17
Copper	mg/kg DM	2260 ± 43.6	2307 ± 230.7	226	102	0.23
Dry mass	%	99.4 ± 0.0533	99 ± 1.98	0.497	99.6	-0.79
HC-Index	mg/kg DM	1160 ± 157	1047.1 ± 104.7	407	90	-0.29
Lead	mg/kg DM	165 ± 7.67	175 ± 17.5	21.5	106	0.46
Mercury	mg/kg DM	- ± -	<0.05 (LOQ) ± -	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	156 ± 15.6	15.9	98	-0.20
Nickel	mg/kg DM	490 ± 15.7	553 ± 55.3	49	113	1.29
Selenium	mg/kg DM	1.25 ± 0.248	- ± -	0.414	-	-
Silver	mg/kg DM	5.48 ± 0.345	5.77 ± 0.577	0.877	105	0.33
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	0.85 ± 0.085	0.683	44.8	-1.53
Tin	mg/kg DM	232 ± 12.3	248 ± 24.8	34.8	107	0.46
TOC (as C)	mg/kg DM	38100 ± 846	- ± -	3810	-	-
Vanadium	mg/kg DM	106 ± 5.84	110 ± 11	16	103	0.22
Zinc	mg/kg DM	3820 ± 88.8	3789 ± 378.9	382	99.1	-0.09
TOC_(ON L1080)	% dm	3.8 ± 0.0949	3.873 ± 0.3873	0.38	102	0.19
LOI (550°C)	% dm	4.8 ± 0.0789	4.8 ± 0.07	0.48	99.9	-0.01

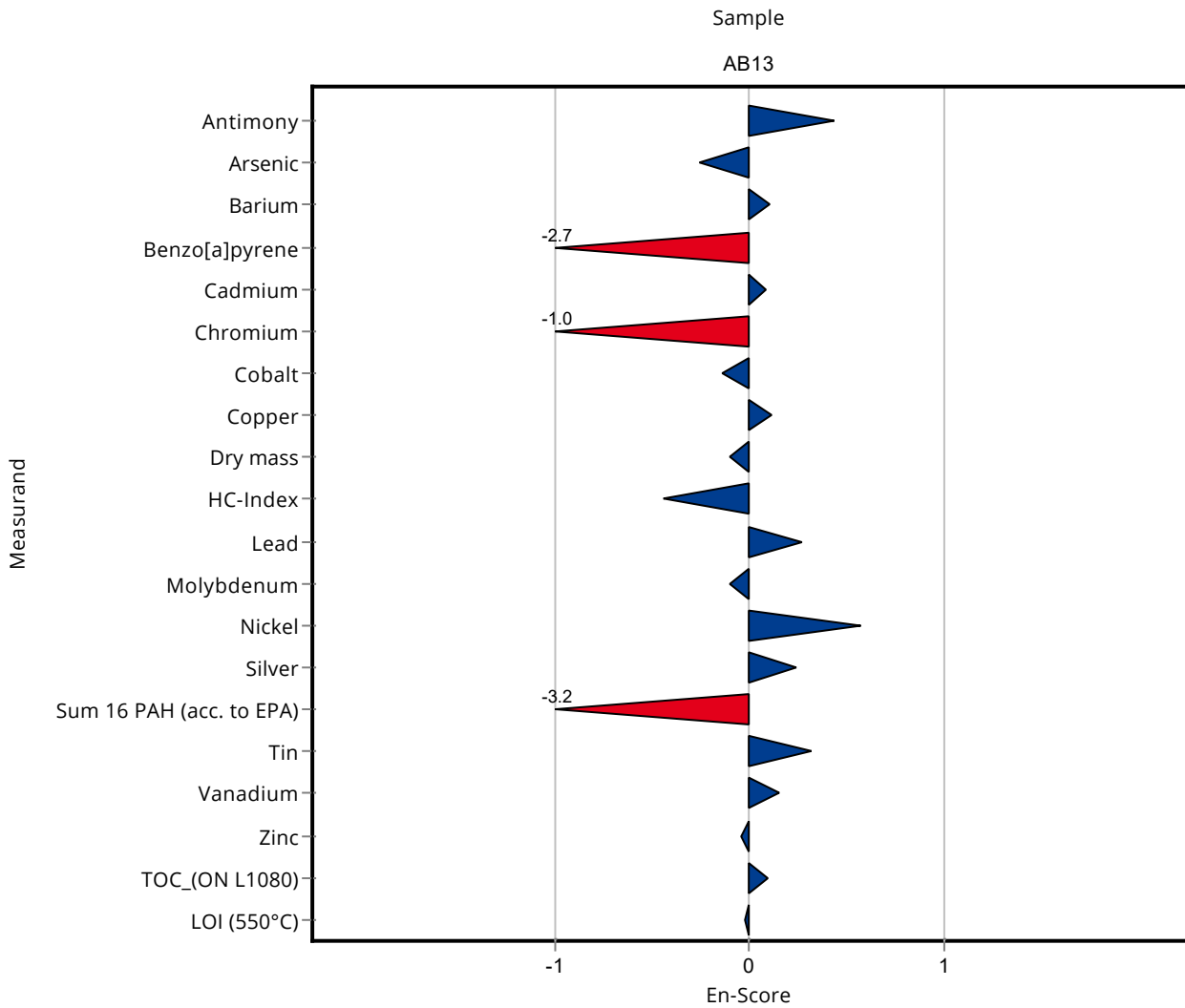


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13 - En-Score

Labcode: LC0022

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Antimony	mg/kg DM	92.9 ± 4.8	102 ± 10.2	13.9	110	0.44
Arsenic	mg/kg DM	5.58 ± 0.298	5.3 ± 0.53	0.837	94.9	-0.26
Barium	mg/kg DM	8850 ± 1720	9100 ± 910	3540	103	0.10
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	0.0424 ± 0.00424	0.0494	40.4	-2.71
Cadmium	mg/kg DM	1.04 ± 0.0519	1.06 ± 0.106	0.156	102	0.08
Chromium	mg/kg DM	522 ± 29.2	428 ± 42.8	78.3	82	-1.04
Cobalt	mg/kg DM	71.1 ± 5.14	69 ± 6.9	12.8	97	-0.15
Copper	mg/kg DM	2260 ± 43.6	2307 ± 230.7	226	102	0.11
Dry mass	%	99.4 ± 0.0533	99 ± 1.98	0.497	99.6	-0.10
HC-Index	mg/kg DM	1160 ± 157	1047.1 ± 104.7	407	90	-0.45
Lead	mg/kg DM	165 ± 7.67	175 ± 17.5	21.5	106	0.27
Mercury	mg/kg DM	- ± -	<0.05 (LOQ) ± -	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	156 ± 15.6	15.9	98	-0.10
Nickel	mg/kg DM	490 ± 15.7	553 ± 55.3	49	113	0.57
Selenium	mg/kg DM	1.25 ± 0.248	- ± -	0.414	-	-
Silver	mg/kg DM	5.48 ± 0.345	5.77 ± 0.577	0.877	105	0.24
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	0.85 ± 0.085	0.683	44.8	-3.21
Tin	mg/kg DM	232 ± 12.3	248 ± 24.8	34.8	107	0.31
TOC (as C)	mg/kg DM	38100 ± 846	- ± -	3810	-	-
Vanadium	mg/kg DM	106 ± 5.84	110 ± 11	16	103	0.15
Zinc	mg/kg DM	3820 ± 88.8	3789 ± 378.9	382	99.1	-0.04
TOC_(ON L1080)	% dm	3.8 ± 0.0949	3.873 ± 0.3873	0.38	102	0.09
LOI (550°C)	% dm	4.8 ± 0.0789	4.8 ± 0.07	0.48	99.9	-0.02

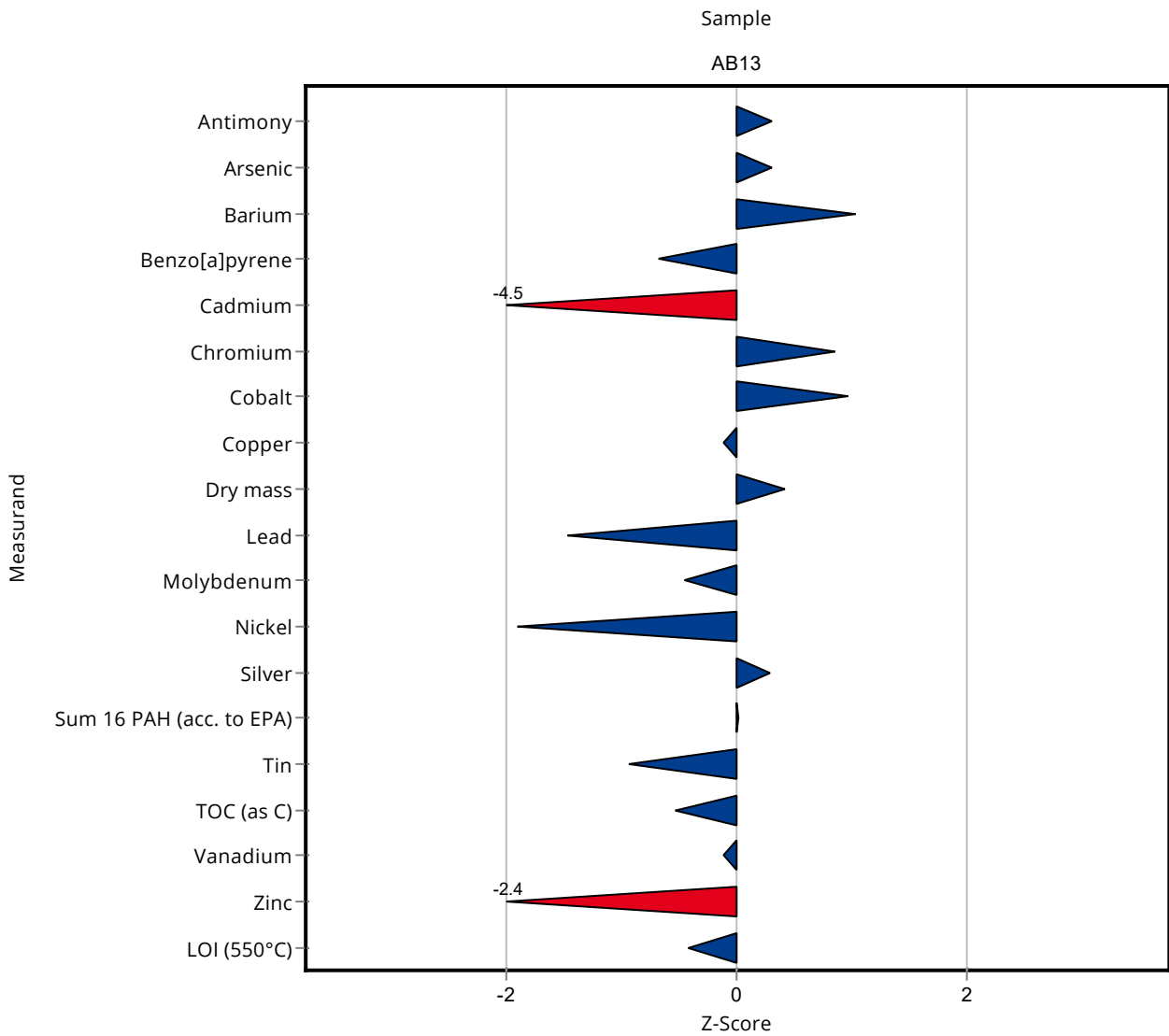


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13

Labcode: LC0023

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Antimony	mg/kg DM	92.9 ± 4.8	97.09 ± 29.1	13.9	105	0.30
Arsenic	mg/kg DM	5.58 ± 0.298	5.83 ± 1.75	0.837	104	0.29
Barium	mg/kg DM	8850 ± 1720	12500 ± 3750	3540	141	1.03
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	0.071 ± 0.032	0.0494	67.6	-0.69
Cadmium	mg/kg DM	1.04 ± 0.0519	0.34 ± 0.102	0.156	32.6	-4.49
Chromium	mg/kg DM	522 ± 29.2	588.6 ± 176.58	78.3	113	0.85
Cobalt	mg/kg DM	71.1 ± 5.14	83.4 ± 25	12.8	117	0.96
Copper	mg/kg DM	2260 ± 43.6	2226.7 ± 668	226	98.7	-0.13
Dry mass	%	99.4 ± 0.0533	99.6 ± 4.98	0.497	100	0.41
HC-Index	mg/kg DM	1160 ± 157	- ± -	407	-	-
Lead	mg/kg DM	165 ± 7.67	133.6 ± 40.1	21.5	80.9	-1.47
Mercury	mg/kg DM	- ± -	<0.1 (LOQ) ± -	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	151.7 ± 45.5	15.9	95.3	-0.47
Nickel	mg/kg DM	490 ± 15.7	395.7 ± 118.7	49	80.8	-1.92
Selenium	mg/kg DM	1.25 ± 0.248	<2 (LOQ) ± -	0.414	-	-
Silver	mg/kg DM	5.48 ± 0.345	5.73 ± 1.72	0.877	104	0.28
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	1.9 ± 0.86	0.683	100	0.00
Tin	mg/kg DM	232 ± 12.3	198.9 ± 59.7	34.8	85.7	-0.95
TOC (as C)	mg/kg DM	38100 ± 846	36000 ± 5500	3810	94.6	-0.54
Vanadium	mg/kg DM	106 ± 5.84	104.5 ± 31.4	16	98.1	-0.12
Zinc	mg/kg DM	3820 ± 88.8	2901 ± 870.3	382	75.9	-2.41
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	4.6 ± 0.46	0.48	95.8	-0.42

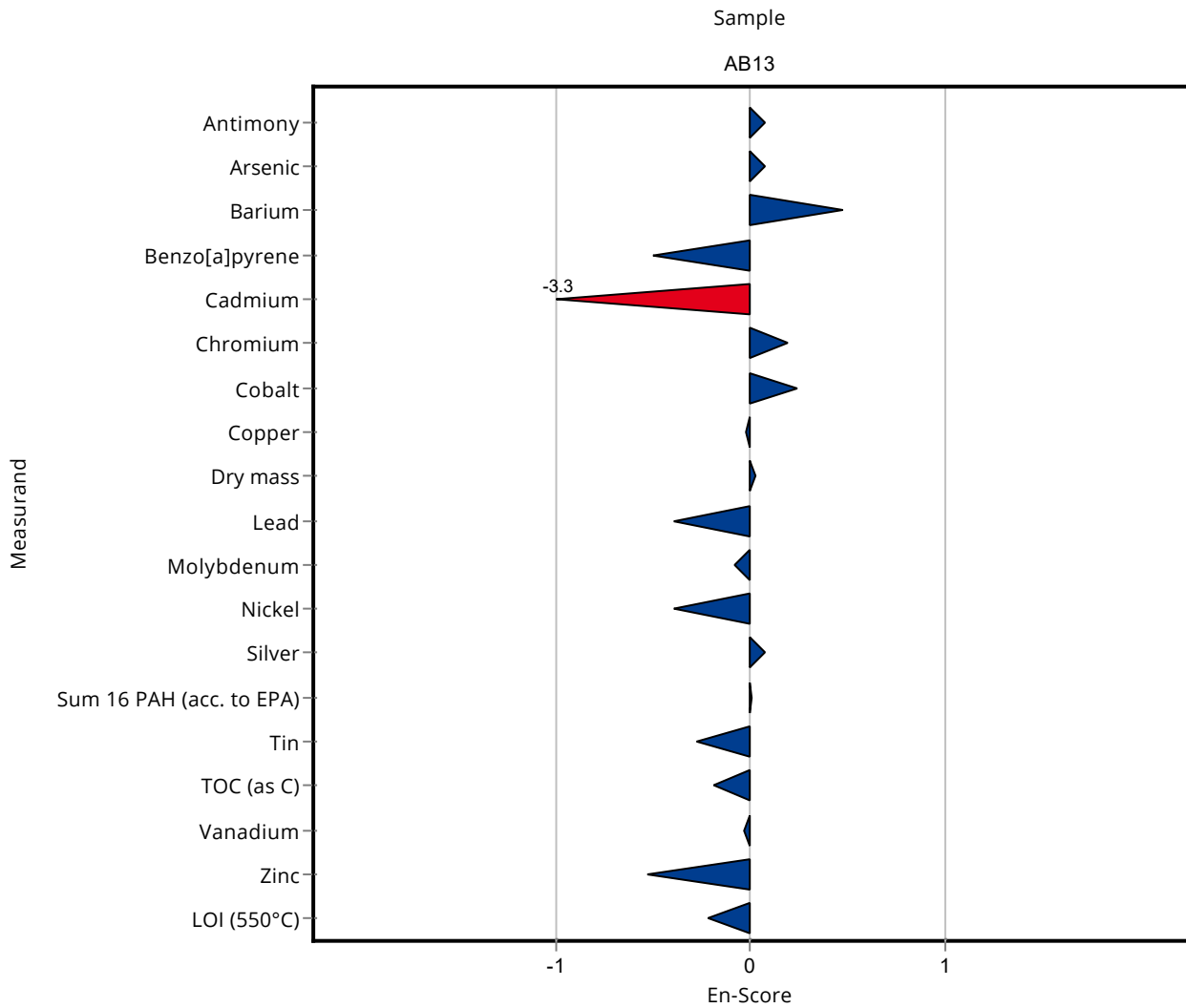


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13 - En-Score

Labcode: LC0023

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Antimony	mg/kg DM	92.9 ± 4.8	97.09 ± 29.1	13.9	105	0.07
Arsenic	mg/kg DM	5.58 ± 0.298	5.83 ± 1.75	0.837	104	0.07
Barium	mg/kg DM	8850 ± 1720	12500 ± 3750	3540	141	0.47
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	0.071 ± 0.032	0.0494	67.6	-0.50
Cadmium	mg/kg DM	1.04 ± 0.0519	0.34 ± 0.102	0.156	32.6	-3.34
Chromium	mg/kg DM	522 ± 29.2	588.6 ± 176.58	78.3	113	0.19
Cobalt	mg/kg DM	71.1 ± 5.14	83.4 ± 25	12.8	117	0.24
Copper	mg/kg DM	2260 ± 43.6	2226.7 ± 668	226	98.7	-0.02
Dry mass	%	99.4 ± 0.0533	99.6 ± 4.98	0.497	100	0.02
HC-Index	mg/kg DM	1160 ± 157	- ± -	407	-	-
Lead	mg/kg DM	165 ± 7.67	133.6 ± 40.1	21.5	80.9	-0.39
Mercury	mg/kg DM	- ± -	<0.1 (LOQ) ± -	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	151.7 ± 45.5	15.9	95.3	-0.08
Nickel	mg/kg DM	490 ± 15.7	395.7 ± 118.7	49	80.8	-0.39
Selenium	mg/kg DM	1.25 ± 0.248	<2 (LOQ) ± -	0.414	-	-
Silver	mg/kg DM	5.48 ± 0.345	5.73 ± 1.72	0.877	104	0.07
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	1.9 ± 0.86	0.683	100	0.00
Tin	mg/kg DM	232 ± 12.3	198.9 ± 59.7	34.8	85.7	-0.28
TOC (as C)	mg/kg DM	38100 ± 846	36000 ± 5500	3810	94.6	-0.19
Vanadium	mg/kg DM	106 ± 5.84	104.5 ± 31.4	16	98.1	-0.03
Zinc	mg/kg DM	3820 ± 88.8	2901 ± 870.3	382	75.9	-0.53
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	4.6 ± 0.46	0.48	95.8	-0.22

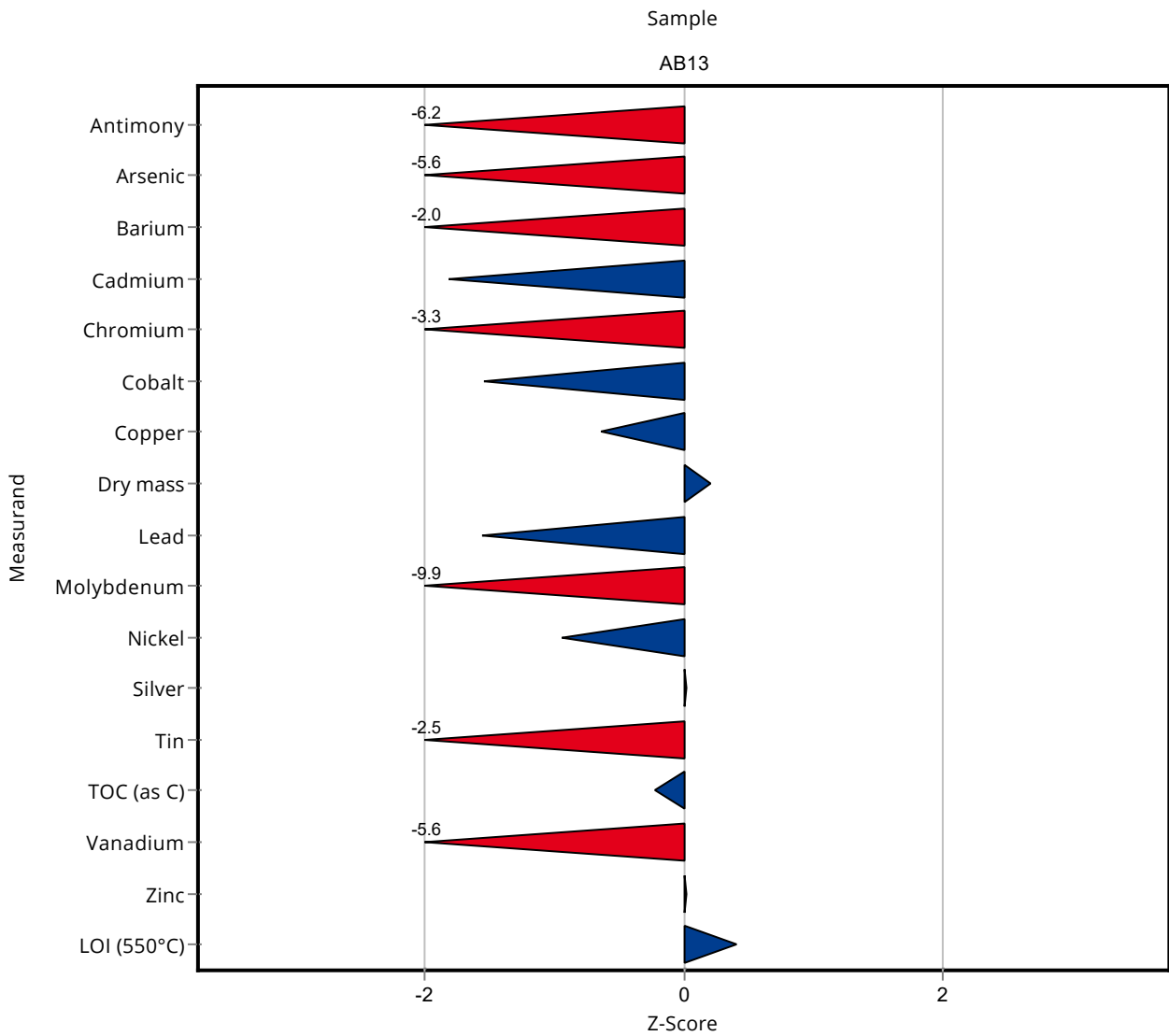


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13

Labcode: LC0024

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Antimony	mg/kg DM	92.9 ± 4.8	6.39 ± 1.278	13.9	6.88	-6.21
Arsenic	mg/kg DM	5.58 ± 0.298	0.871 ± 0.14807	0.837	15.6	-5.63
Barium	mg/kg DM	8850 ± 1720	1658.7 ± 232.218	3540	18.7	-2.03
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	- ± -	0.0494	-	-
Cadmium	mg/kg DM	1.04 ± 0.0519	0.759 ± 0.09867	0.156	72.8	-1.81
Chromium	mg/kg DM	522 ± 29.2	266.06 ± 34.5878	78.3	51	-3.27
Cobalt	mg/kg DM	71.1 ± 5.14	51.38 ± 10.276	12.8	72.2	-1.54
Copper	mg/kg DM	2260 ± 43.6	2112.7 ± 316.905	226	93.7	-0.63
Dry mass	%	99.4 ± 0.0533	99.5 ± 4.975	0.497	100	0.21
HC-Index	mg/kg DM	1160 ± 157	- ± -	407	-	-
Lead	mg/kg DM	165 ± 7.67	131.85 ± 26.37	21.5	79.8	-1.55
Mercury	mg/kg DM	- ± -	0.01 ± 0.002	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	2.14 ± 0.2996	15.9	1.34	-9.87
Nickel	mg/kg DM	490 ± 15.7	443.98 ± 88.796	49	90.7	-0.93
Selenium	mg/kg DM	1.25 ± 0.248	<0.005 (LOQ) ± -	0.414	-	-
Silver	mg/kg DM	5.48 ± 0.345	5.5 ± 1.1	0.877	100	0.02
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	- ± -	0.683	-	-
Tin	mg/kg DM	232 ± 12.3	144.76 ± 28.952	34.8	62.4	-2.51
TOC (as C)	mg/kg DM	38100 ± 846	37200 ± 3720	3810	97.7	-0.23
Vanadium	mg/kg DM	106 ± 5.84	16.25 ± 3.25	16	15.3	-5.65
Zinc	mg/kg DM	3820 ± 88.8	3832.1 ± 459.852	382	100	0.02
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	5 ± 0.5	0.48	104	0.41

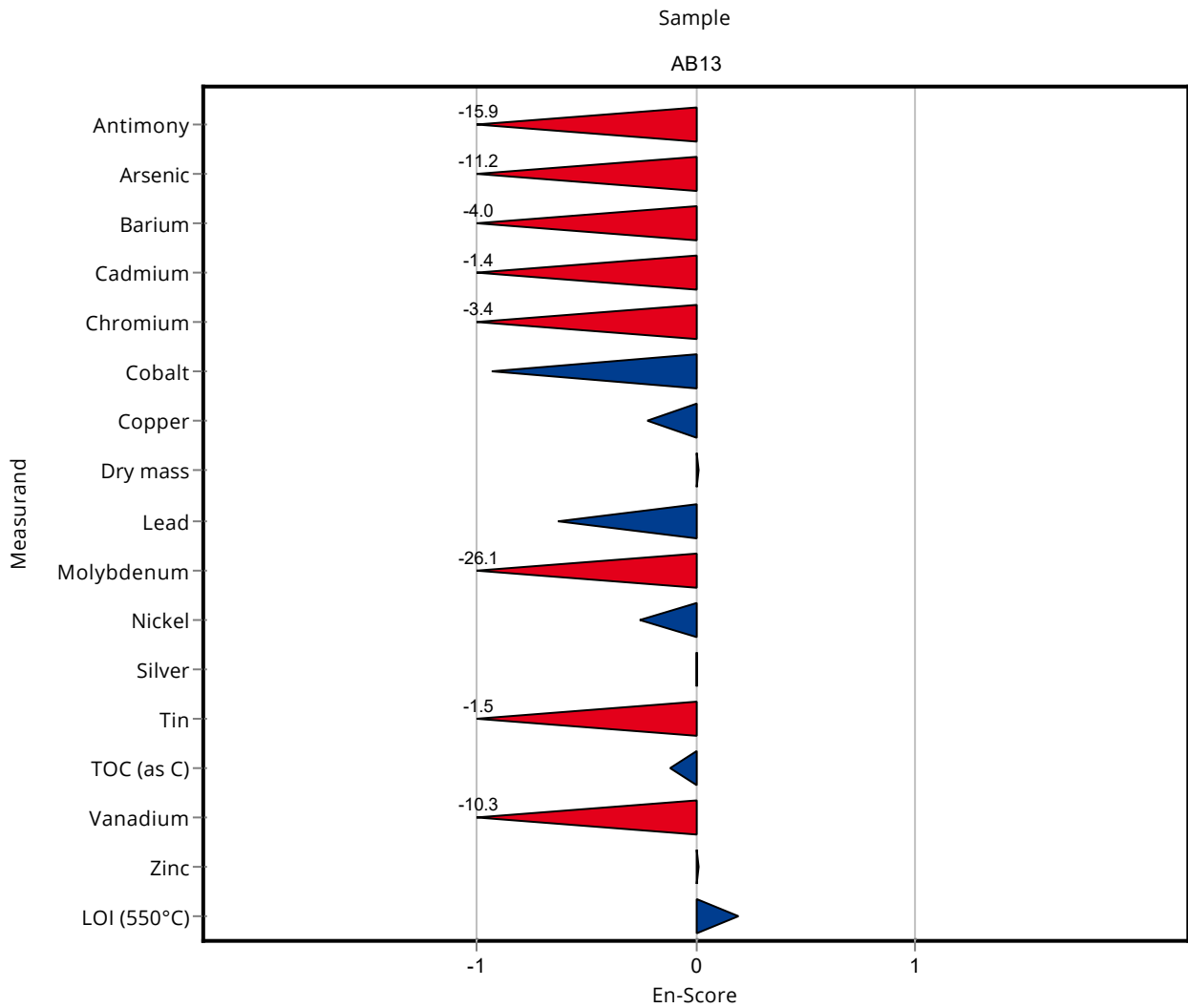


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13 - En-Score

Labcode: LC0024

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Antimony	mg/kg DM	92.9 ± 4.8	6.39 ± 1.278	13.9	6.88	-15.90
Arsenic	mg/kg DM	5.58 ± 0.298	0.871 ± 0.14807	0.837	15.6	-11.22
Barium	mg/kg DM	8850 ± 1720	1658.7 ± 232.218	3540	18.7	-4.04
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	- ± -	0.0494	-	-
Cadmium	mg/kg DM	1.04 ± 0.0519	0.759 ± 0.09867	0.156	72.8	-1.39
Chromium	mg/kg DM	522 ± 29.2	266.06 ± 34.5878	78.3	51	-3.41
Cobalt	mg/kg DM	71.1 ± 5.14	51.38 ± 10.276	12.8	72.2	-0.93
Copper	mg/kg DM	2260 ± 43.6	2112.7 ± 316.905	226	93.7	-0.23
Dry mass	%	99.4 ± 0.0533	99.5 ± 4.975	0.497	100	0.01
HC-Index	mg/kg DM	1160 ± 157	- ± -	407	-	-
Lead	mg/kg DM	165 ± 7.67	131.85 ± 26.37	21.5	79.8	-0.63
Mercury	mg/kg DM	- ± -	0.01 ± 0.002	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	2.14 ± 0.2996	15.9	1.34	-26.09
Nickel	mg/kg DM	490 ± 15.7	443.98 ± 88.796	49	90.7	-0.26
Selenium	mg/kg DM	1.25 ± 0.248	<0.005 (LOQ) ± -	0.414	-	-
Silver	mg/kg DM	5.48 ± 0.345	5.5 ± 1.1	0.877	100	0.01
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	- ± -	0.683	-	-
Tin	mg/kg DM	232 ± 12.3	144.76 ± 28.952	34.8	62.4	-1.47
TOC (as C)	mg/kg DM	38100 ± 846	37200 ± 3720	3810	97.7	-0.12
Vanadium	mg/kg DM	106 ± 5.84	16.25 ± 3.25	16	15.3	-10.33
Zinc	mg/kg DM	3820 ± 88.8	3832.1 ± 459.852	382	100	0.01
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	5 ± 0.5	0.48	104	0.20

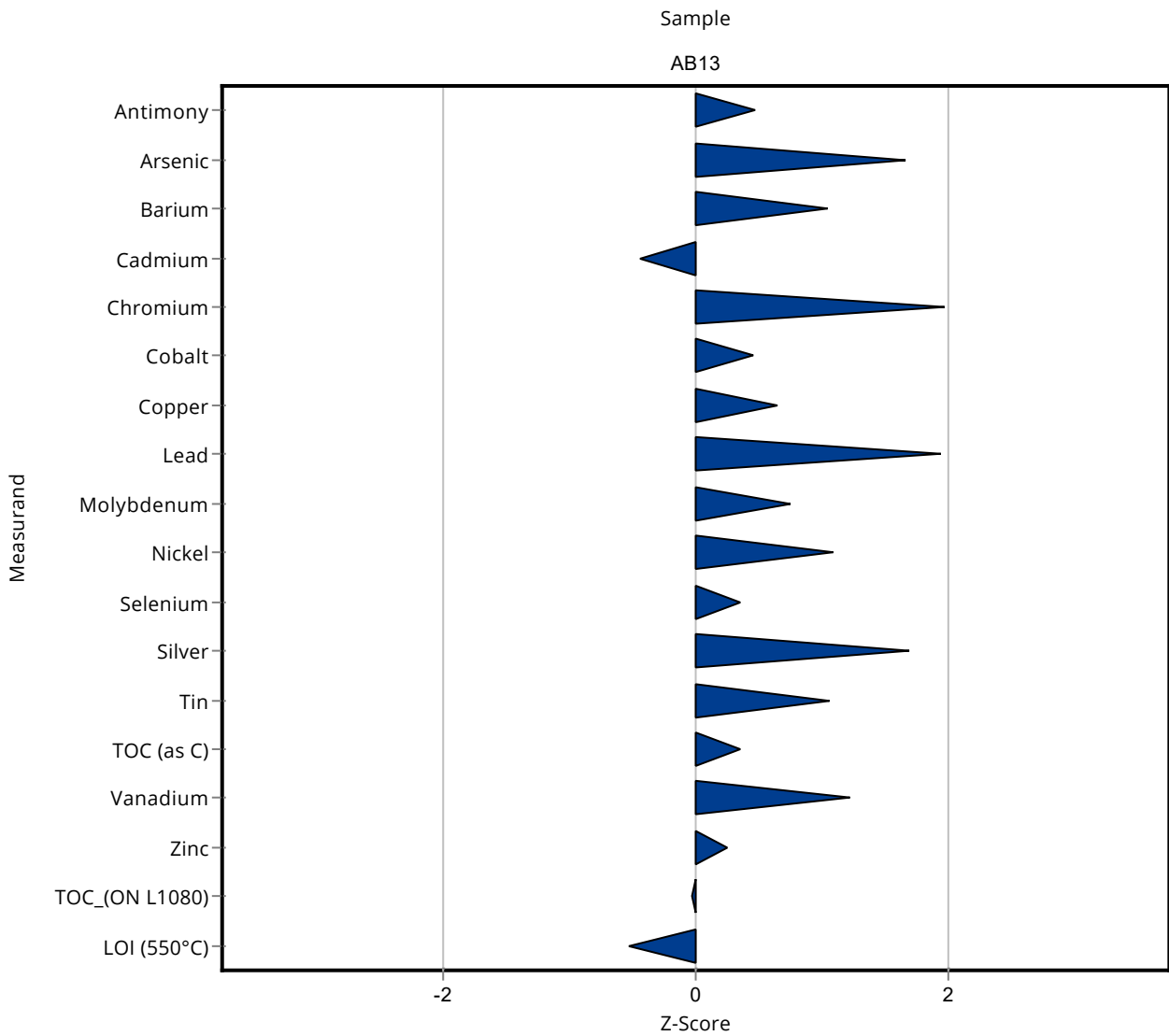


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13

Labcode: LC0025

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Antimony	mg/kg DM	92.9 ± 4.8	99.5 ± 17.9	13.9	107	0.48
Arsenic	mg/kg DM	5.58 ± 0.298	6.98 ± 1.26	0.837	125	1.67
Barium	mg/kg DM	8850 ± 1720	12574 ± 2263	3540	142	1.05
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	- ± -	0.0494	-	-
Cadmium	mg/kg DM	1.04 ± 0.0519	0.973 ± 0.175	0.156	93.3	-0.44
Chromium	mg/kg DM	522 ± 29.2	676 ± 122	78.3	130	1.97
Cobalt	mg/kg DM	71.1 ± 5.14	77 ± 13.9	12.8	108	0.46
Copper	mg/kg DM	2260 ± 43.6	2402 ± 432	226	106	0.65
Dry mass	%	99.4 ± 0.0533	- ± -	0.497	-	-
HC-Index	mg/kg DM	1160 ± 157	- ± -	407	-	-
Lead	mg/kg DM	165 ± 7.67	207 ± 37.3	21.5	125	1.94
Mercury	mg/kg DM	- ± -	0.012 ± 0.002	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	171 ± 30.8	15.9	107	0.75
Nickel	mg/kg DM	490 ± 15.7	543 ± 97.7	49	111	1.09
Selenium	mg/kg DM	1.25 ± 0.248	1.4 ± 0.252	0.414	112	0.35
Silver	mg/kg DM	5.48 ± 0.345	6.97 ± 1.25	0.877	127	1.69
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	- ± -	0.683	-	-
Tin	mg/kg DM	232 ± 12.3	269 ± 48.4	34.8	116	1.06
TOC (as C)	mg/kg DM	38100 ± 846	39420 ± 3548	3810	104	0.35
Vanadium	mg/kg DM	106 ± 5.84	126 ± 22.7	16	118	1.22
Zinc	mg/kg DM	3820 ± 88.8	3919 ± 705	382	103	0.25
TOC_(ON L1080)	% dm	3.8 ± 0.0949	3.79 ± 0.341	0.38	99.7	-0.03
LOI (550°C)	% dm	4.8 ± 0.0789	4.55 ± 0.182	0.48	94.7	-0.53

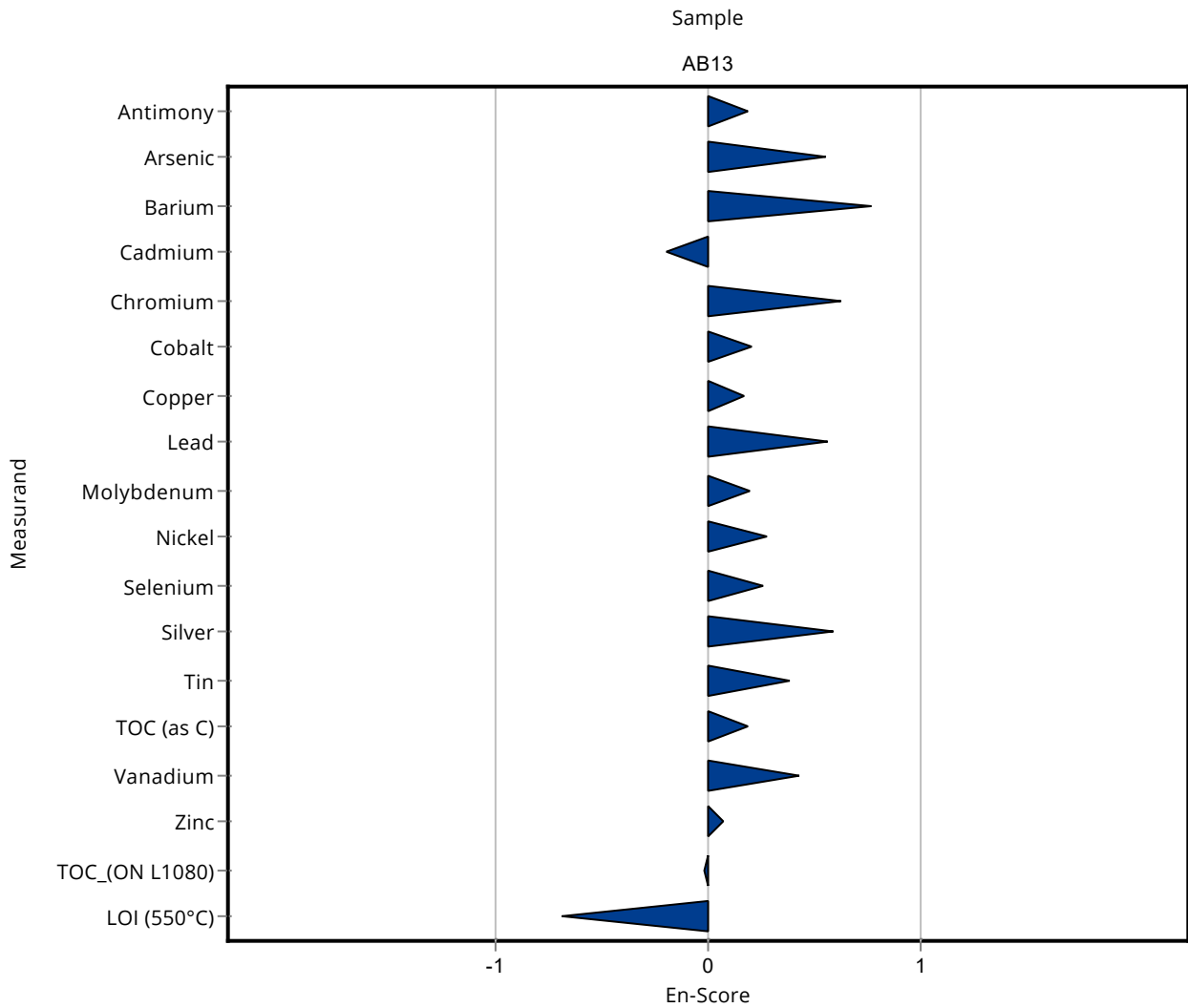


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13 - En-Score

Labcode: LC0025

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Antimony	mg/kg DM	92.9 ± 4.8	99.5 ± 17.9	13.9	107	0.18
Arsenic	mg/kg DM	5.58 ± 0.298	6.98 ± 1.26	0.837	125	0.55
Barium	mg/kg DM	8850 ± 1720	12574 ± 2263	3540	142	0.77
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	- ± -	0.0494	-	-
Cadmium	mg/kg DM	1.04 ± 0.0519	0.973 ± 0.175	0.156	93.3	-0.20
Chromium	mg/kg DM	522 ± 29.2	676 ± 122	78.3	130	0.63
Cobalt	mg/kg DM	71.1 ± 5.14	77 ± 13.9	12.8	108	0.21
Copper	mg/kg DM	2260 ± 43.6	2402 ± 432	226	106	0.17
Dry mass	%	99.4 ± 0.0533	- ± -	0.497	-	-
HC-Index	mg/kg DM	1160 ± 157	- ± -	407	-	-
Lead	mg/kg DM	165 ± 7.67	207 ± 37.3	21.5	125	0.56
Mercury	mg/kg DM	- ± -	0.012 ± 0.002	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	171 ± 30.8	15.9	107	0.19
Nickel	mg/kg DM	490 ± 15.7	543 ± 97.7	49	111	0.27
Selenium	mg/kg DM	1.25 ± 0.248	1.4 ± 0.252	0.414	112	0.26
Silver	mg/kg DM	5.48 ± 0.345	6.97 ± 1.25	0.877	127	0.59
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	- ± -	0.683	-	-
Tin	mg/kg DM	232 ± 12.3	269 ± 48.4	34.8	116	0.38
TOC (as C)	mg/kg DM	38100 ± 846	39420 ± 3548	3810	104	0.19
Vanadium	mg/kg DM	106 ± 5.84	126 ± 22.7	16	118	0.43
Zinc	mg/kg DM	3820 ± 88.8	3919 ± 705	382	103	0.07
TOC_(ON L1080)	% dm	3.8 ± 0.0949	3.79 ± 0.341	0.38	99.7	-0.01
LOI (550°C)	% dm	4.8 ± 0.0789	4.55 ± 0.182	0.48	94.7	-0.68

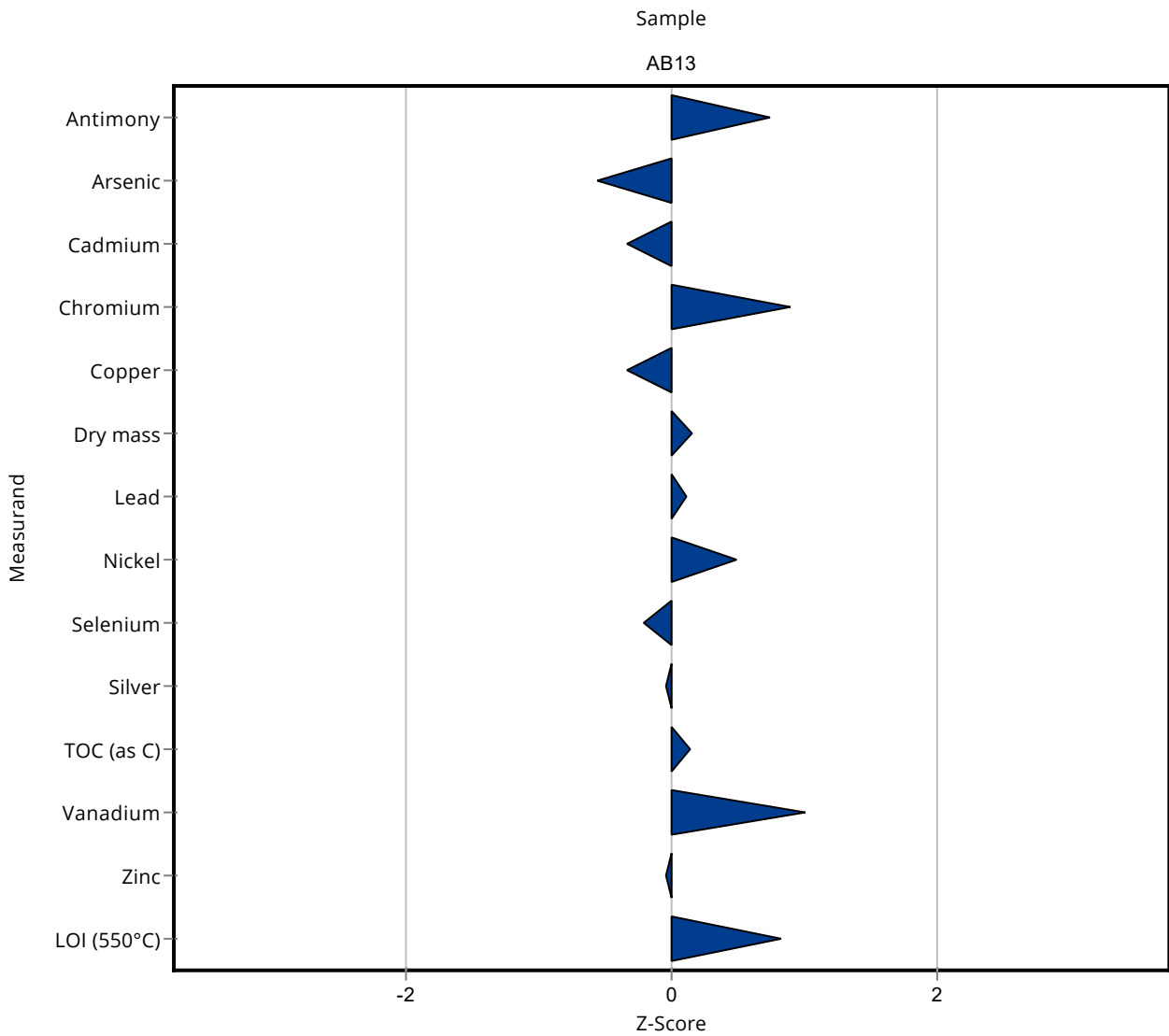


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13

Labcode: LC0026

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Antimony	mg/kg DM	92.9 ± 4.8	103.2 ± 29.1	13.9	111	0.74
Arsenic	mg/kg DM	5.58 ± 0.298	5.12 ± 1.48	0.837	91.7	-0.55
Barium	mg/kg DM	8850 ± 1720	- ± -	3540	-	-
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	- ± -	0.0494	-	-
Cadmium	mg/kg DM	1.04 ± 0.0519	0.99 ± 0.373	0.156	95	-0.34
Chromium	mg/kg DM	522 ± 29.2	592 ± 199	78.3	113	0.90
Cobalt	mg/kg DM	71.1 ± 5.14	- ± -	12.8	-	-
Copper	mg/kg DM	2260 ± 43.6	2180 ± 466	226	96.6	-0.34
Dry mass	%	99.4 ± 0.0533	99.47 ± 0.02	0.497	100	0.15
HC-Index	mg/kg DM	1160 ± 157	- ± -	407	-	-
Lead	mg/kg DM	165 ± 7.67	167.6 ± 53.6	21.5	101	0.11
Mercury	mg/kg DM	- ± -	- ± -	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	- ± -	15.9	-	-
Nickel	mg/kg DM	490 ± 15.7	513.8 ± 169	49	105	0.49
Selenium	mg/kg DM	1.25 ± 0.248	1.17 ± 0.83	0.414	93.3	-0.20
Silver	mg/kg DM	5.48 ± 0.345	5.45 ± 1.68	0.877	99.4	-0.04
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	- ± -	0.683	-	-
Tin	mg/kg DM	232 ± 12.3	- ± -	34.8	-	-
TOC (as C)	mg/kg DM	38100 ± 846	38600 ± 11400	3810	101	0.14
Vanadium	mg/kg DM	106 ± 5.84	122.5 ± 34.6	16	115	1.00
Zinc	mg/kg DM	3820 ± 88.8	3807 ± 1124	382	99.6	-0.04
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	5.2 ± 0.54	0.48	108	0.83

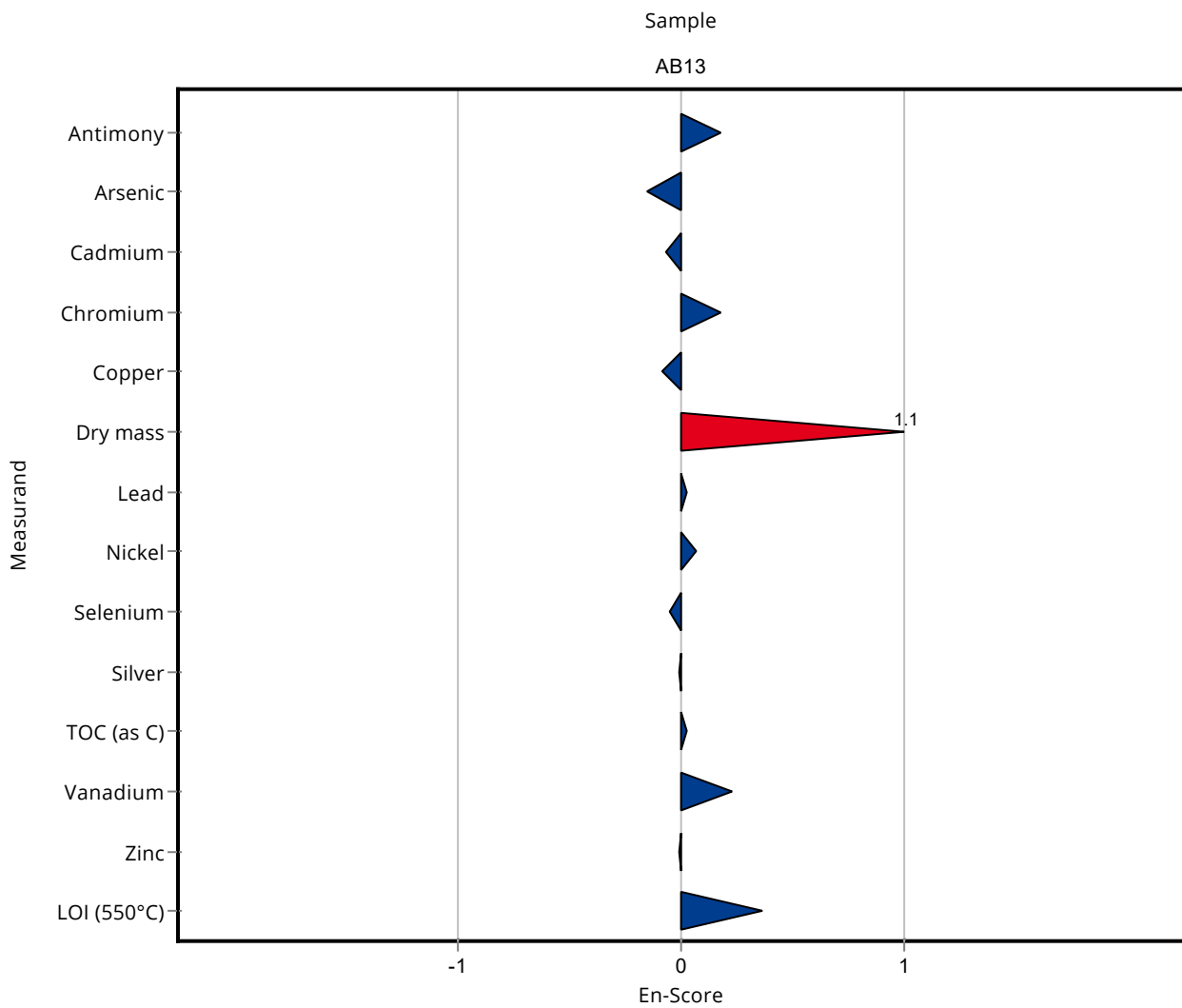


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13 - En-Score

Labcode: LC0026

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Antimony	mg/kg DM	92.9 ± 4.8	103.2 ± 29.1	13.9	111	0.18
Arsenic	mg/kg DM	5.58 ± 0.298	5.12 ± 1.48	0.837	91.7	-0.16
Barium	mg/kg DM	8850 ± 1720	- ± -	3540	-	-
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	- ± -	0.0494	-	-
Cadmium	mg/kg DM	1.04 ± 0.0519	0.99 ± 0.373	0.156	95	-0.07
Chromium	mg/kg DM	522 ± 29.2	592 ± 199	78.3	113	0.18
Cobalt	mg/kg DM	71.1 ± 5.14	- ± -	12.8	-	-
Copper	mg/kg DM	2260 ± 43.6	2180 ± 466	226	96.6	-0.08
Dry mass	%	99.4 ± 0.0533	99.47 ± 0.02	0.497	100	1.14
HC-Index	mg/kg DM	1160 ± 157	- ± -	407	-	-
Lead	mg/kg DM	165 ± 7.67	167.6 ± 53.6	21.5	101	0.02
Mercury	mg/kg DM	- ± -	- ± -	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	- ± -	15.9	-	-
Nickel	mg/kg DM	490 ± 15.7	513.8 ± 169	49	105	0.07
Selenium	mg/kg DM	1.25 ± 0.248	1.17 ± 0.83	0.414	93.3	-0.05
Silver	mg/kg DM	5.48 ± 0.345	5.45 ± 1.68	0.877	99.4	-0.01
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	- ± -	0.683	-	-
Tin	mg/kg DM	232 ± 12.3	- ± -	34.8	-	-
TOC (as C)	mg/kg DM	38100 ± 846	38600 ± 11400	3810	101	0.02
Vanadium	mg/kg DM	106 ± 5.84	122.5 ± 34.6	16	115	0.23
Zinc	mg/kg DM	3820 ± 88.8	3807 ± 1124	382	99.6	-0.01
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	5.2 ± 0.54	0.48	108	0.37

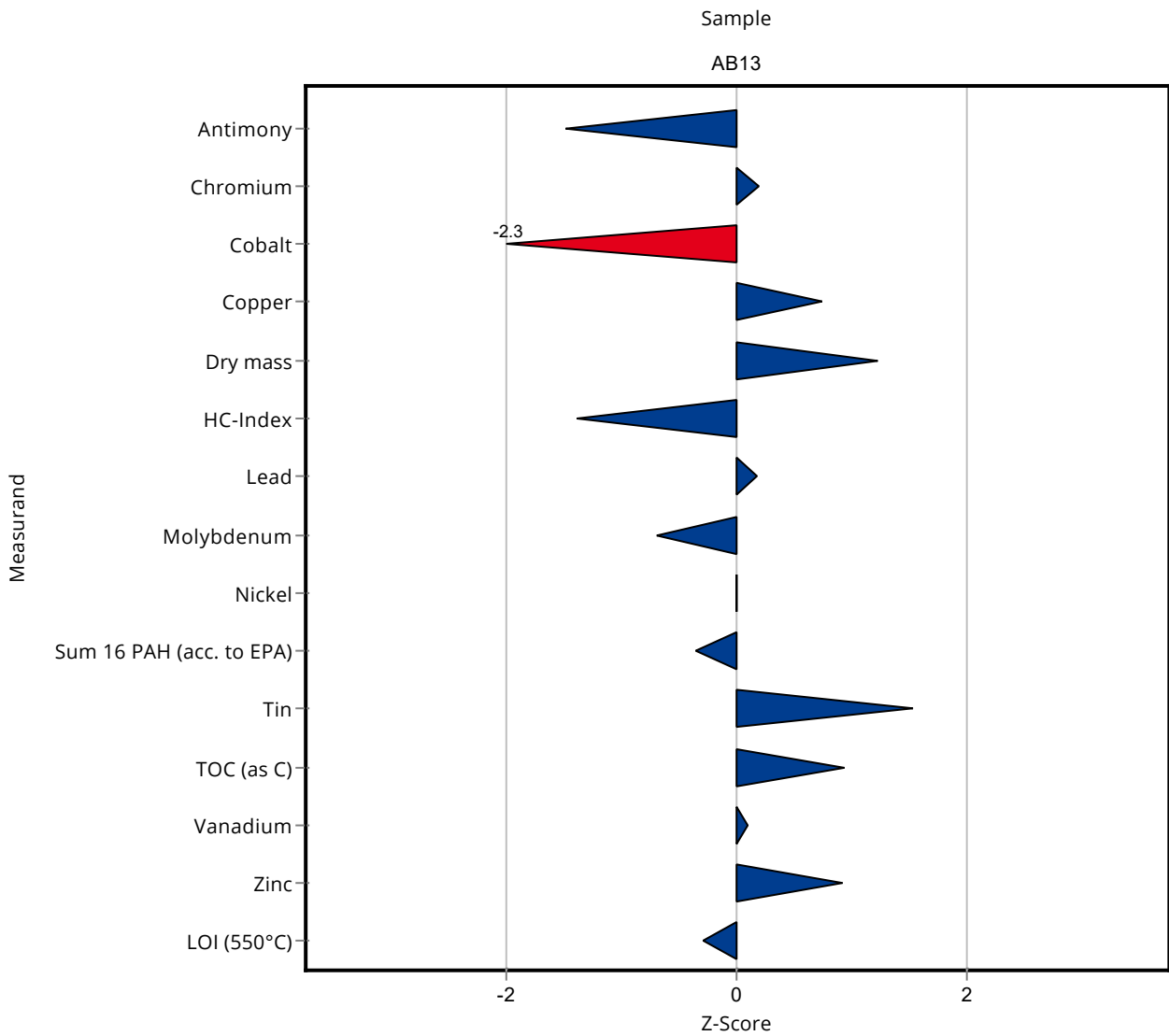


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13

Labcode: LC0027

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Antimony	mg/kg DM	92.9 ± 4.8	72 ± 14.4	13.9	77.5	-1.50
Arsenic	mg/kg DM	5.58 ± 0.298	<1 (LOQ) ± -	0.837	-	-
Barium	mg/kg DM	8850 ± 1720	- ± -	3540	-	-
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	<0.03 (LOQ) ± -	0.0494	-	-
Cadmium	mg/kg DM	1.04 ± 0.0519	<0.25 (LOQ) ± -	0.156	-	-
Chromium	mg/kg DM	522 ± 29.2	537 ± 107	78.3	103	0.19
Cobalt	mg/kg DM	71.1 ± 5.14	41.9 ± 8.4	12.8	58.9	-2.28
Copper	mg/kg DM	2260 ± 43.6	2420 ± 480	226	107	0.73
Dry mass	%	99.4 ± 0.0533	100 ± 1	0.497	101	1.22
HC-Index	mg/kg DM	1160 ± 157	597 ± 72	407	51.3	-1.39
Lead	mg/kg DM	165 ± 7.67	169 ± 34	21.5	102	0.18
Mercury	mg/kg DM	- ± -	0.0293 ± 0.0059	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	148 ± 30	15.9	93	-0.70
Nickel	mg/kg DM	490 ± 15.7	489 ± 98	49	99.9	-0.01
Selenium	mg/kg DM	1.25 ± 0.248	<2.5 (LOQ) ± -	0.414	-	-
Silver	mg/kg DM	5.48 ± 0.345	<2.5 (LOQ) ± -	0.877	-	-
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	1.65 ± 0.3	0.683	87	-0.36
Tin	mg/kg DM	232 ± 12.3	285 ± 57	34.8	123	1.52
TOC (as C)	mg/kg DM	38100 ± 846	41600 ± 5800	3810	109	0.93
Vanadium	mg/kg DM	106 ± 5.84	108 ± 22	16	101	0.09
Zinc	mg/kg DM	3820 ± 88.8	4170 ± 830	382	109	0.91
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	4.66 ± 0.47	0.48	97	-0.30

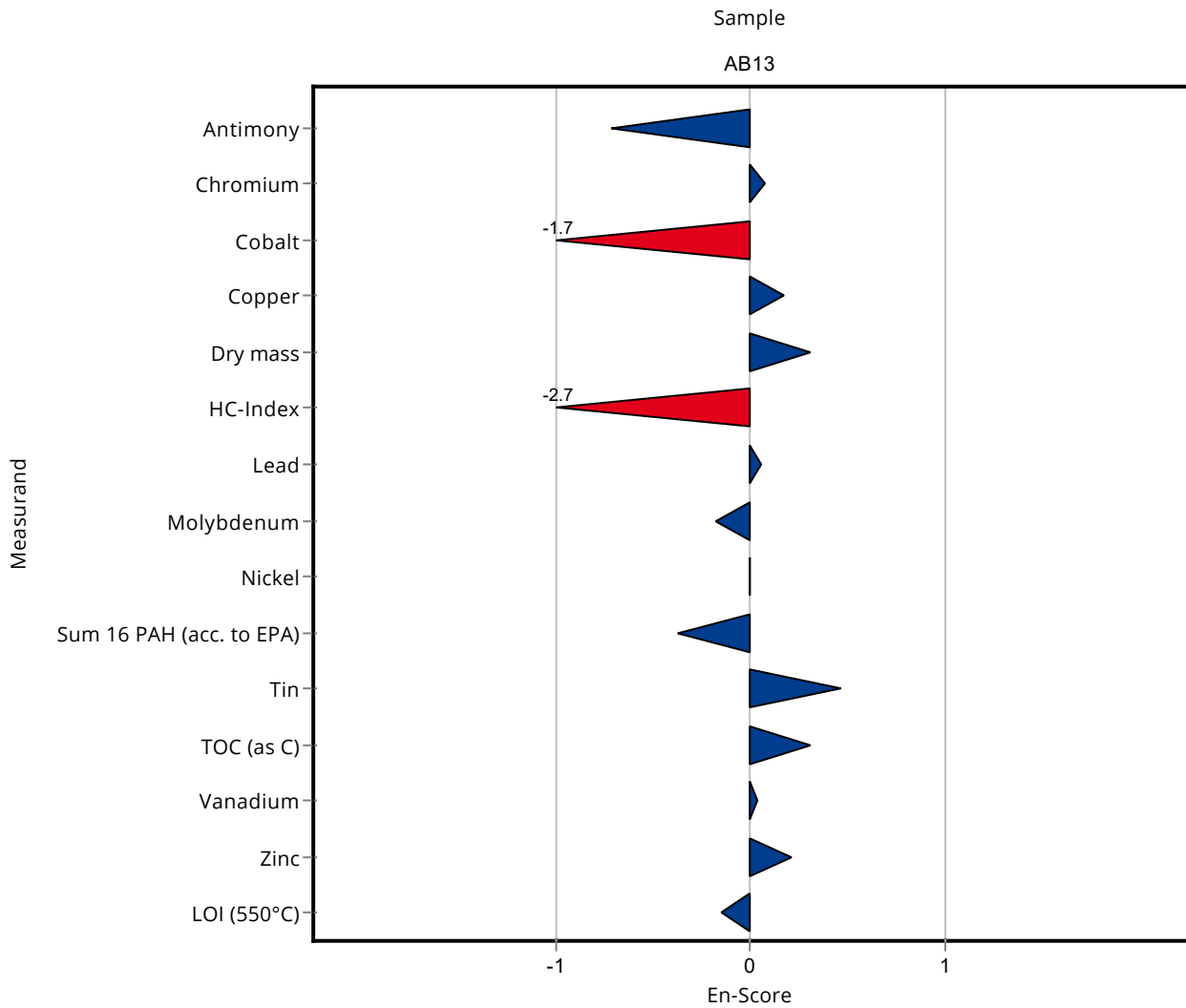


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13 - En-Score

Labcode: LC0027

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Antimony	mg/kg DM	92.9 ± 4.8	72 ± 14.4	13.9	77.5	-0.71
Arsenic	mg/kg DM	5.58 ± 0.298	<1 (LOQ) ± -	0.837	-	-
Barium	mg/kg DM	8850 ± 1720	- ± -	3540	-	-
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	<0.03 (LOQ) ± -	0.0494	-	-
Cadmium	mg/kg DM	1.04 ± 0.0519	<0.25 (LOQ) ± -	0.156	-	-
Chromium	mg/kg DM	522 ± 29.2	537 ± 107	78.3	103	0.07
Cobalt	mg/kg DM	71.1 ± 5.14	41.9 ± 8.4	12.8	58.9	-1.66
Copper	mg/kg DM	2260 ± 43.6	2420 ± 480	226	107	0.17
Dry mass	%	99.4 ± 0.0533	100 ± 1	0.497	101	0.30
HC-Index	mg/kg DM	1160 ± 157	597 ± 72	407	51.3	-2.66
Lead	mg/kg DM	165 ± 7.67	169 ± 34	21.5	102	0.06
Mercury	mg/kg DM	- ± -	0.0293 ± 0.0059	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	148 ± 30	15.9	93	-0.18
Nickel	mg/kg DM	490 ± 15.7	489 ± 98	49	99.9	0.00
Selenium	mg/kg DM	1.25 ± 0.248	<2.5 (LOQ) ± -	0.414	-	-
Silver	mg/kg DM	5.48 ± 0.345	<2.5 (LOQ) ± -	0.877	-	-
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	1.65 ± 0.3	0.683	87	-0.37
Tin	mg/kg DM	232 ± 12.3	285 ± 57	34.8	123	0.46
TOC (as C)	mg/kg DM	38100 ± 846	41600 ± 5800	3810	109	0.30
Vanadium	mg/kg DM	106 ± 5.84	108 ± 22	16	101	0.03
Zinc	mg/kg DM	3820 ± 88.8	4170 ± 830	382	109	0.21
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	4.66 ± 0.47	0.48	97	-0.15

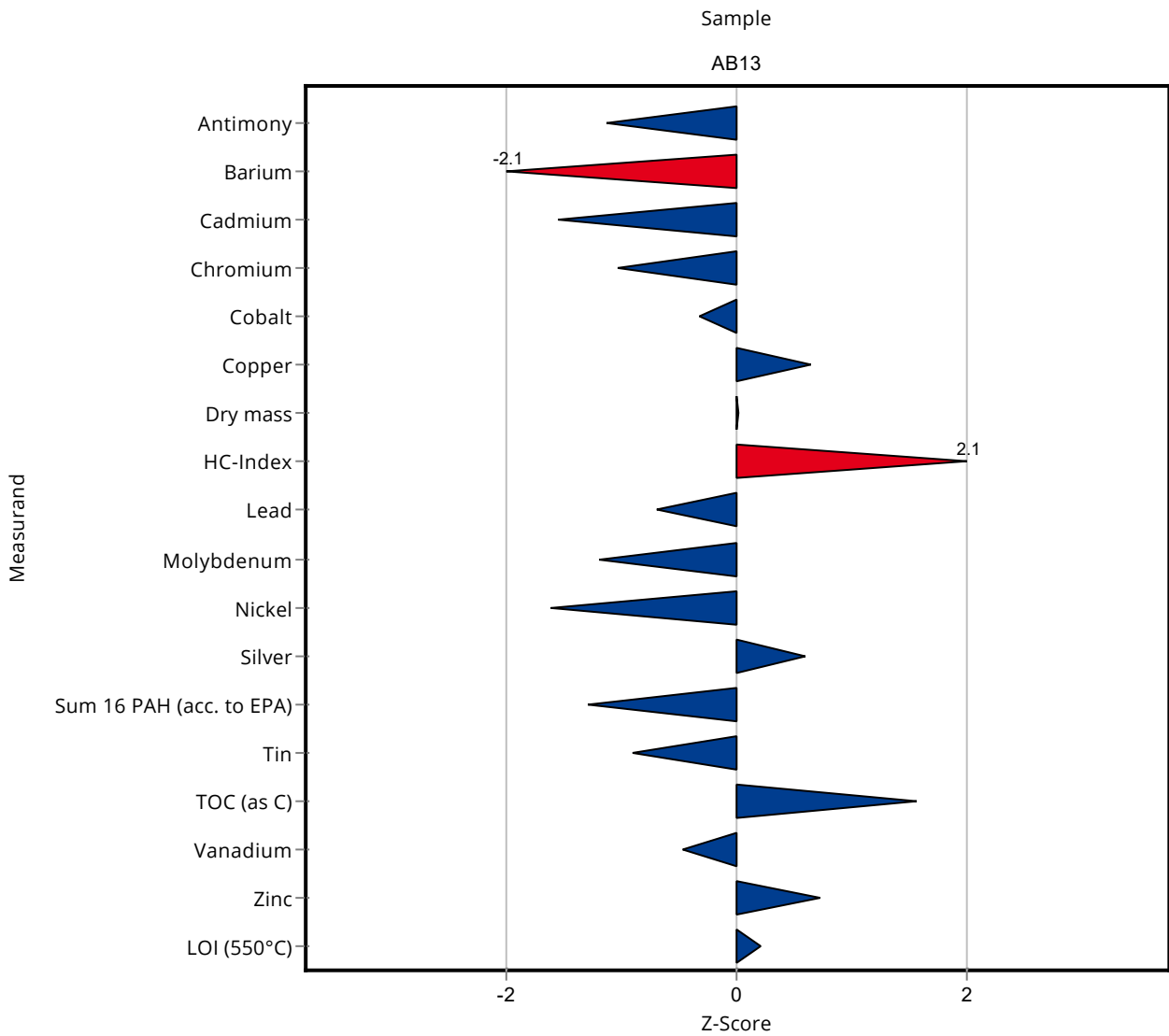


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13

Labcode: LC0028

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Antimony	mg/kg DM	92.9 ± 4.8	77 ± 5.39	13.9	82.9	-1.14
Arsenic	mg/kg DM	5.58 ± 0.298	<2 (LOQ) ± -	0.837	-	-
Barium	mg/kg DM	8850 ± 1720	1300 ± 45.5	3540	14.7	-2.13
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	<0.05 (LOQ) ± -	0.0494	-	-
Cadmium	mg/kg DM	1.04 ± 0.0519	0.8 ± 0.036	0.156	76.7	-1.55
Chromium	mg/kg DM	522 ± 29.2	440 ± 24.2	78.3	84.3	-1.05
Cobalt	mg/kg DM	71.1 ± 5.14	67 ± 8.375	12.8	94.2	-0.32
Copper	mg/kg DM	2260 ± 43.6	2400 ± 168	226	106	0.64
Dry mass	%	99.4 ± 0.0533	99.4 ± 1.491	0.497	100	0.01
HC-Index	mg/kg DM	1160 ± 157	2000 ± 140	407	172	2.05
Lead	mg/kg DM	165 ± 7.67	150 ± 10.5	21.5	90.8	-0.71
Mercury	mg/kg DM	- ± -	<0.1 (LOQ) ± -	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	140 ± 6.3	15.9	88	-1.20
Nickel	mg/kg DM	490 ± 15.7	410 ± 43.05	49	83.7	-1.63
Selenium	mg/kg DM	1.25 ± 0.248	<3 (LOQ) ± -	0.414	-	-
Silver	mg/kg DM	5.48 ± 0.345	6 ± 0.42	0.877	109	0.59
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	1.01 ± 0.202	0.683	53.3	-1.30
Tin	mg/kg DM	232 ± 12.3	200 ± 26	34.8	86.2	-0.92
TOC (as C)	mg/kg DM	38100 ± 846	44000 ± 3960	3810	116	1.56
Vanadium	mg/kg DM	106 ± 5.84	99 ± 11.385	16	93	-0.47
Zinc	mg/kg DM	3820 ± 88.8	4100 ± 184.5	382	107	0.72
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	4.9 ± 0.3675	0.48	102	0.20

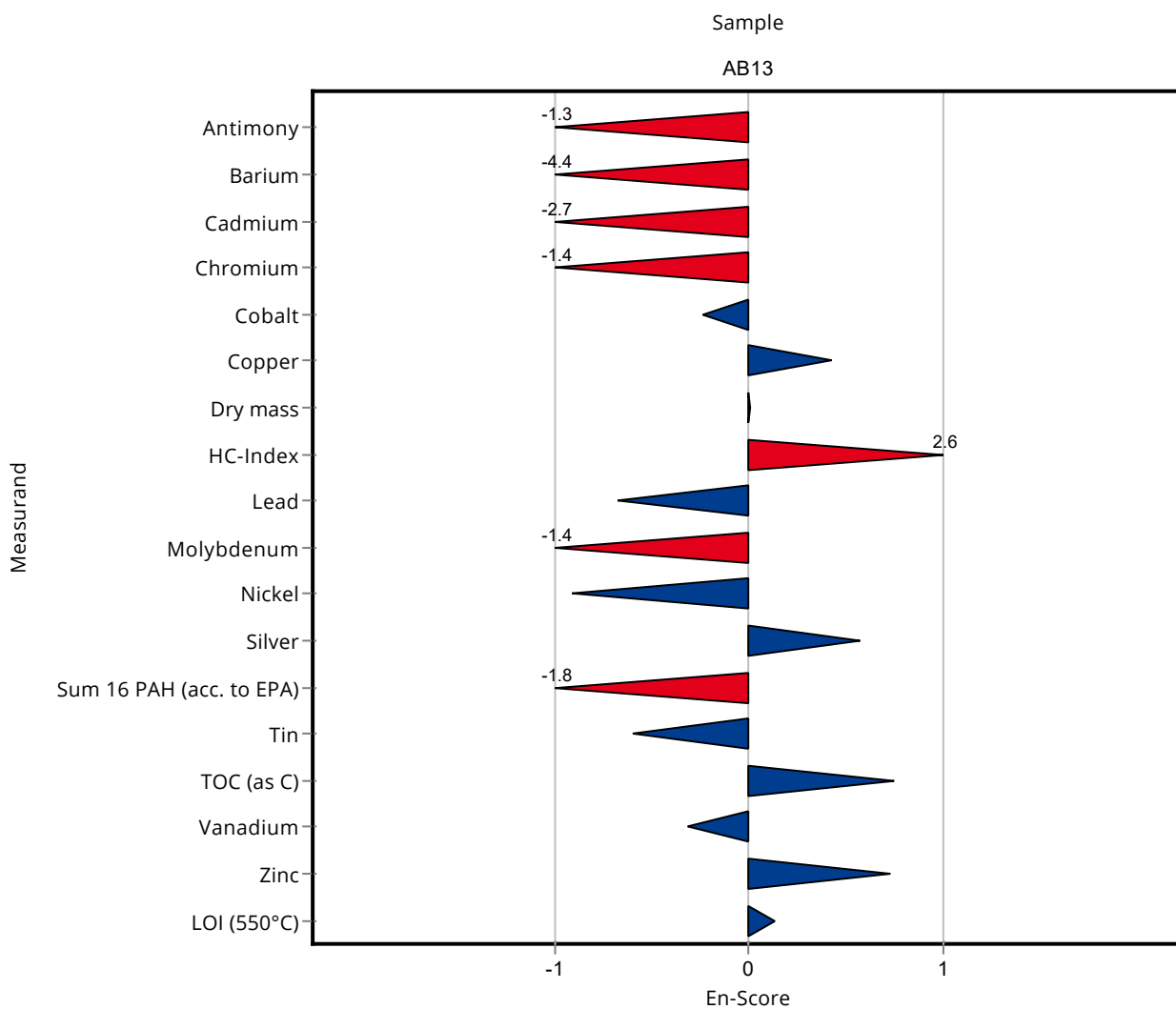


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13 - En-Score

Labcode: LC0028

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Antimony	mg/kg DM	92.9 ± 4.8	77 ± 5.39	13.9	82.9	-1.34
Arsenic	mg/kg DM	5.58 ± 0.298	<2 (LOQ) ± -	0.837	-	-
Barium	mg/kg DM	8850 ± 1720	1300 ± 45.5	3540	14.7	-4.39
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	<0.05 (LOQ) ± -	0.0494	-	-
Cadmium	mg/kg DM	1.04 ± 0.0519	0.8 ± 0.036	0.156	76.7	-2.73
Chromium	mg/kg DM	522 ± 29.2	440 ± 24.2	78.3	84.3	-1.45
Cobalt	mg/kg DM	71.1 ± 5.14	67 ± 8.375	12.8	94.2	-0.24
Copper	mg/kg DM	2260 ± 43.6	2400 ± 168	226	106	0.43
Dry mass	%	99.4 ± 0.0533	99.4 ± 1.491	0.497	100	0.00
HC-Index	mg/kg DM	1160 ± 157	2000 ± 140	407	172	2.61
Lead	mg/kg DM	165 ± 7.67	150 ± 10.5	21.5	90.8	-0.68
Mercury	mg/kg DM	- ± -	<0.1 (LOQ) ± -	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	140 ± 6.3	15.9	88	-1.37
Nickel	mg/kg DM	490 ± 15.7	410 ± 43.05	49	83.7	-0.91
Selenium	mg/kg DM	1.25 ± 0.248	<3 (LOQ) ± -	0.414	-	-
Silver	mg/kg DM	5.48 ± 0.345	6 ± 0.42	0.877	109	0.57
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	1.01 ± 0.202	0.683	53.3	-1.81
Tin	mg/kg DM	232 ± 12.3	200 ± 26	34.8	86.2	-0.60
TOC (as C)	mg/kg DM	38100 ± 846	44000 ± 3960	3810	116	0.74
Vanadium	mg/kg DM	106 ± 5.84	99 ± 11.385	16	93	-0.32
Zinc	mg/kg DM	3820 ± 88.8	4100 ± 184.5	382	107	0.73
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	4.9 ± 0.3675	0.48	102	0.13

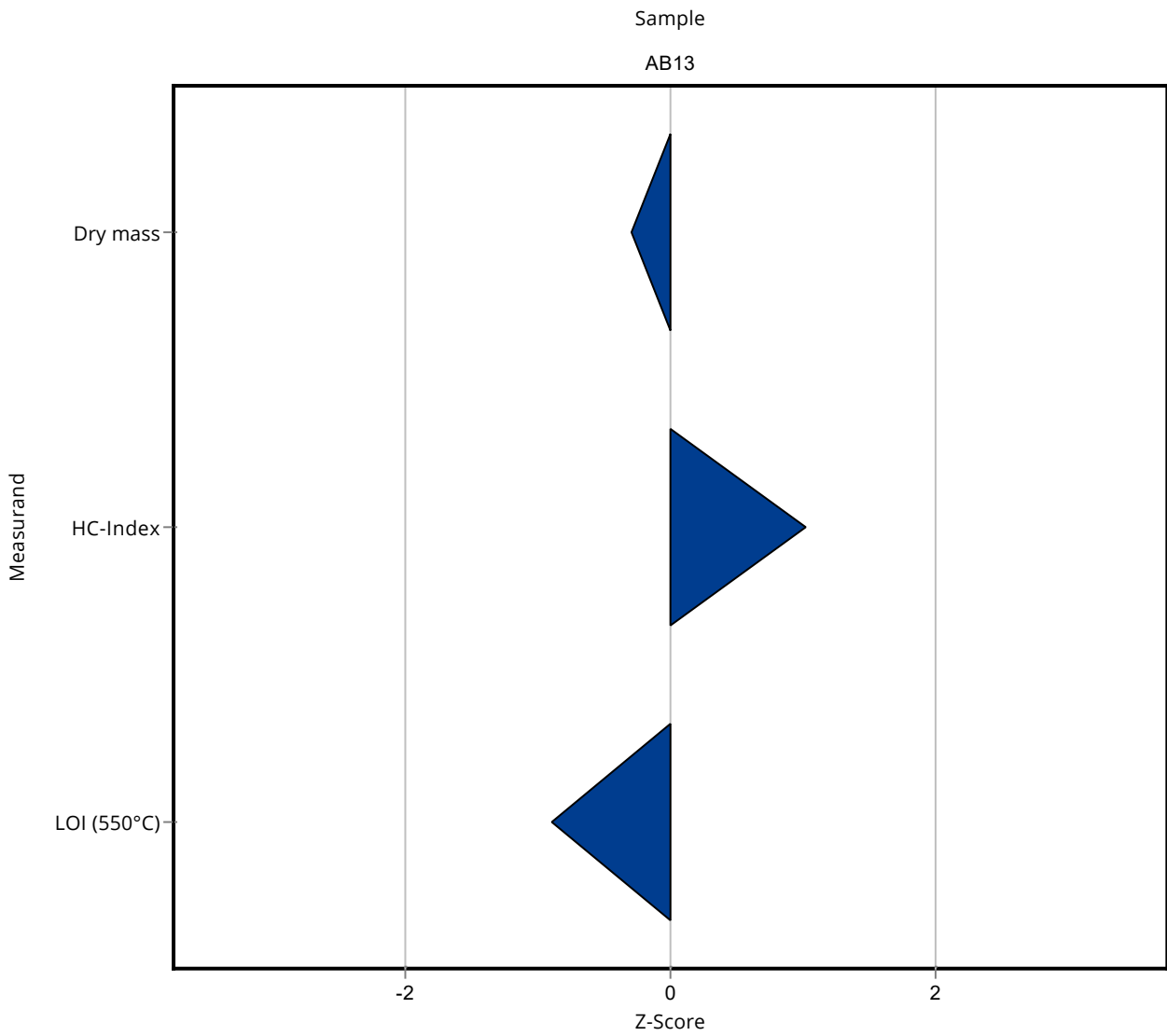


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13

Labcode: LC0029

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Antimony	mg/kg DM	92.9 ± 4.8	- ± -	13.9	-	-
Arsenic	mg/kg DM	5.58 ± 0.298	- ± -	0.837	-	-
Barium	mg/kg DM	8850 ± 1720	- ± -	3540	-	-
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	- ± -	0.0494	-	-
Cadmium	mg/kg DM	1.04 ± 0.0519	- ± -	0.156	-	-
Chromium	mg/kg DM	522 ± 29.2	- ± -	78.3	-	-
Cobalt	mg/kg DM	71.1 ± 5.14	- ± -	12.8	-	-
Copper	mg/kg DM	2260 ± 43.6	- ± -	226	-	-
Dry mass	%	99.4 ± 0.0533	99.245 ± 1.11	0.497	99.8	-0.30
HC-Index	mg/kg DM	1160 ± 157	1579 ± 511.1	407	136	1.02
Lead	mg/kg DM	165 ± 7.67	- ± -	21.5	-	-
Mercury	mg/kg DM	- ± -	- ± -	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	- ± -	15.9	-	-
Nickel	mg/kg DM	490 ± 15.7	- ± -	49	-	-
Selenium	mg/kg DM	1.25 ± 0.248	- ± -	0.414	-	-
Silver	mg/kg DM	5.48 ± 0.345	- ± -	0.877	-	-
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	- ± -	0.683	-	-
Tin	mg/kg DM	232 ± 12.3	- ± -	34.8	-	-
TOC (as C)	mg/kg DM	38100 ± 846	- ± -	3810	-	-
Vanadium	mg/kg DM	106 ± 5.84	- ± -	16	-	-
Zinc	mg/kg DM	3820 ± 88.8	- ± -	382	-	-
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	4.37 ± 0.00026	0.48	91	-0.90

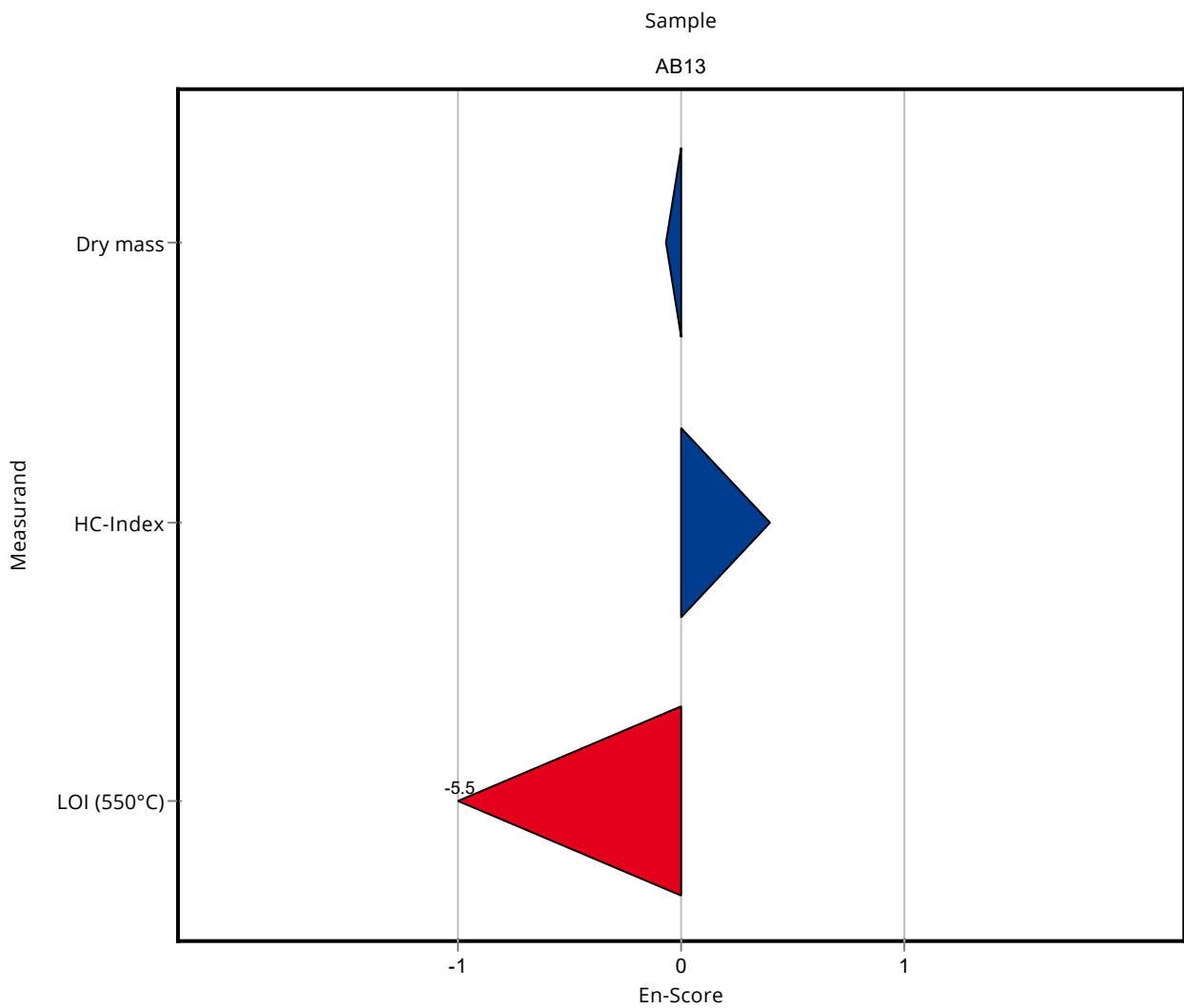


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13 - En-Score

Labcode: LC0029

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Antimony	mg/kg DM	92.9 ± 4.8	- ± -	13.9	-	-
Arsenic	mg/kg DM	5.58 ± 0.298	- ± -	0.837	-	-
Barium	mg/kg DM	8850 ± 1720	- ± -	3540	-	-
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	- ± -	0.0494	-	-
Cadmium	mg/kg DM	1.04 ± 0.0519	- ± -	0.156	-	-
Chromium	mg/kg DM	522 ± 29.2	- ± -	78.3	-	-
Cobalt	mg/kg DM	71.1 ± 5.14	- ± -	12.8	-	-
Copper	mg/kg DM	2260 ± 43.6	- ± -	226	-	-
Dry mass	%	99.4 ± 0.0533	99.245 ± 1.11	0.497	99.8	-0.07
HC-Index	mg/kg DM	1160 ± 157	1579 ± 511.1	407	136	0.40
Lead	mg/kg DM	165 ± 7.67	- ± -	21.5	-	-
Mercury	mg/kg DM	- ± -	- ± -	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	- ± -	15.9	-	-
Nickel	mg/kg DM	490 ± 15.7	- ± -	49	-	-
Selenium	mg/kg DM	1.25 ± 0.248	- ± -	0.414	-	-
Silver	mg/kg DM	5.48 ± 0.345	- ± -	0.877	-	-
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	- ± -	0.683	-	-
Tin	mg/kg DM	232 ± 12.3	- ± -	34.8	-	-
TOC (as C)	mg/kg DM	38100 ± 846	- ± -	3810	-	-
Vanadium	mg/kg DM	106 ± 5.84	- ± -	16	-	-
Zinc	mg/kg DM	3820 ± 88.8	- ± -	382	-	-
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	4.37 ± 0.00026	0.48	91	-5.50

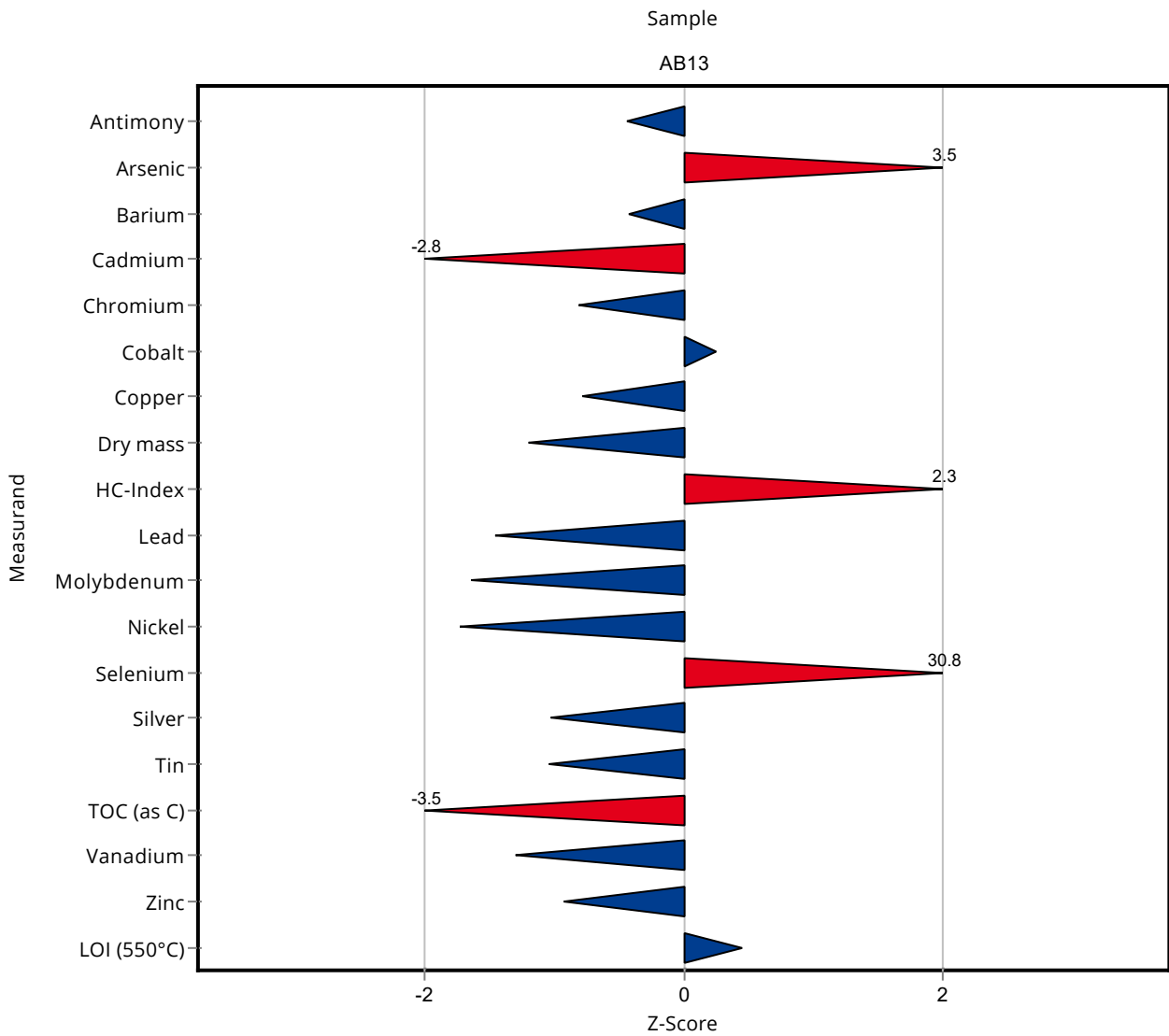


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13

Labcode: LC0030

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Antimony	mg/kg DM	92.9 ± 4.8	86.8 ± 17.4	13.9	93.5	-0.43
Arsenic	mg/kg DM	5.58 ± 0.298	8.51 ± 1.7	0.837	152	3.50
Barium	mg/kg DM	8850 ± 1720	7370 ± 1470	3540	83.2	-0.42
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	- ± -	0.0494	-	-
Cadmium	mg/kg DM	1.04 ± 0.0519	0.605 ± 0.121	0.156	58	-2.80
Chromium	mg/kg DM	522 ± 29.2	458 ± 91.6	78.3	87.8	-0.82
Cobalt	mg/kg DM	71.1 ± 5.14	74.4 ± 14.9	12.8	105	0.25
Copper	mg/kg DM	2260 ± 43.6	2080 ± 416	226	92.2	-0.78
Dry mass	%	99.4 ± 0.0533	98.8 ± 4.94	0.497	99.4	-1.20
HC-Index	mg/kg DM	1160 ± 157	2084 ± 521	407	179	2.26
Lead	mg/kg DM	165 ± 7.67	134 ± 26.8	21.5	81.1	-1.45
Mercury	mg/kg DM	- ± -	<0.05 (LOQ) ± -	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	133 ± 26.6	15.9	83.6	-1.64
Nickel	mg/kg DM	490 ± 15.7	405 ± 81	49	82.7	-1.73
Selenium	mg/kg DM	1.25 ± 0.248	14 ± 2.8	0.414	1120	30.80
Silver	mg/kg DM	5.48 ± 0.345	4.59 ± 0.918	0.877	83.7	-1.02
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	- ± -	0.683	-	-
Tin	mg/kg DM	232 ± 12.3	196 ± 39.2	34.8	84.5	-1.03
TOC (as C)	mg/kg DM	38100 ± 846	24900 ± 4980	3810	65.4	-3.46
Vanadium	mg/kg DM	106 ± 5.84	85.8 ± 17.2	16	80.6	-1.30
Zinc	mg/kg DM	3820 ± 88.8	3470 ± 694	382	90.8	-0.92
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	5.02 ± 0.75	0.48	105	0.45

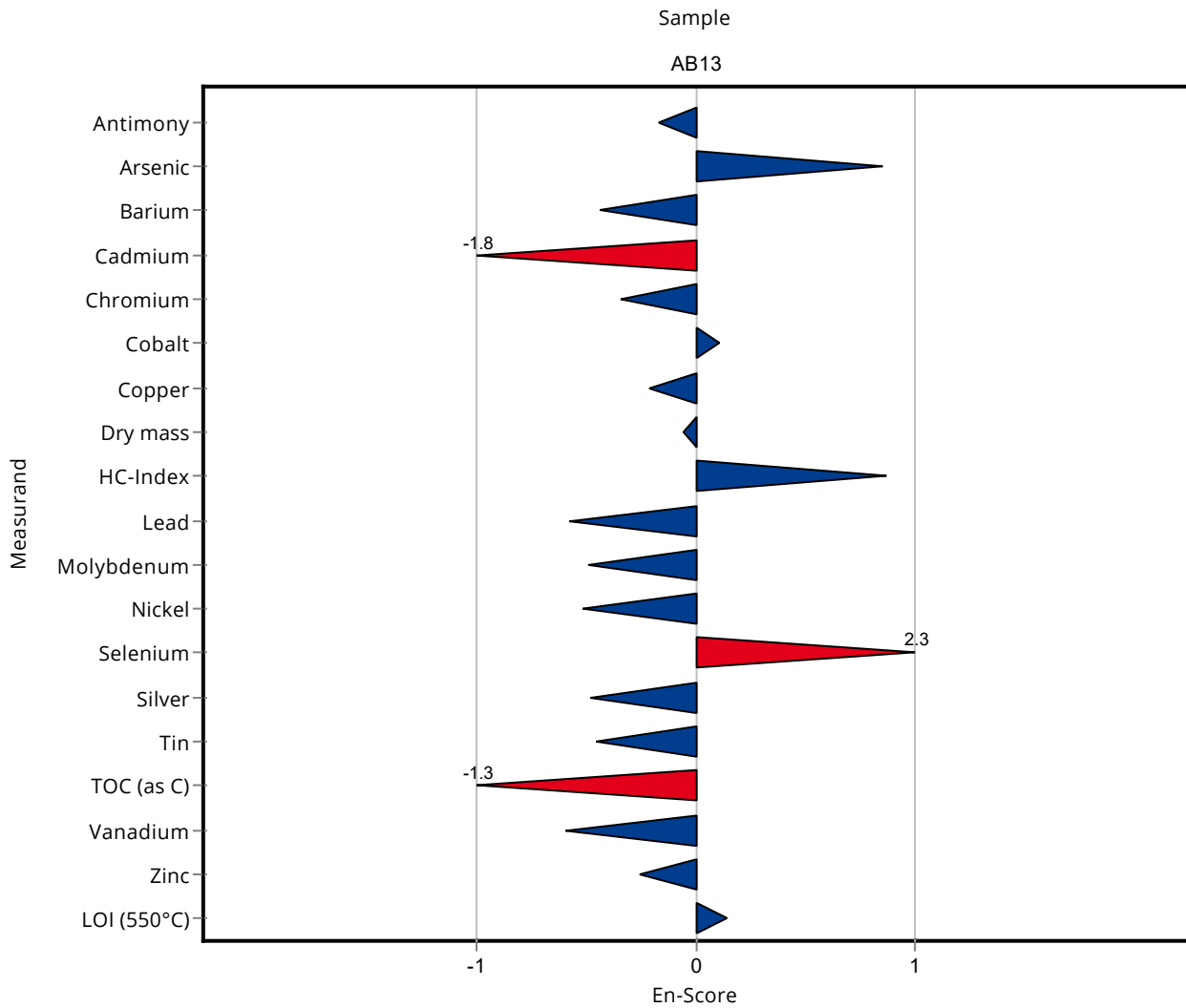


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13 - En-Score

Labcode: LC0030

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Antimony	mg/kg DM	92.9 ± 4.8	86.8 ± 17.4	13.9	93.5	-0.17
Arsenic	mg/kg DM	5.58 ± 0.298	8.51 ± 1.7	0.837	152	0.86
Barium	mg/kg DM	8850 ± 1720	7370 ± 1470	3540	83.2	-0.44
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	- ± -	0.0494	-	-
Cadmium	mg/kg DM	1.04 ± 0.0519	0.605 ± 0.121	0.156	58	-1.77
Chromium	mg/kg DM	522 ± 29.2	458 ± 91.6	78.3	87.8	-0.34
Cobalt	mg/kg DM	71.1 ± 5.14	74.4 ± 14.9	12.8	105	0.11
Copper	mg/kg DM	2260 ± 43.6	2080 ± 416	226	92.2	-0.21
Dry mass	%	99.4 ± 0.0533	98.8 ± 4.94	0.497	99.4	-0.06
HC-Index	mg/kg DM	1160 ± 157	2084 ± 521	407	179	0.87
Lead	mg/kg DM	165 ± 7.67	134 ± 26.8	21.5	81.1	-0.58
Mercury	mg/kg DM	- ± -	<0.05 (LOQ) ± -	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	133 ± 26.6	15.9	83.6	-0.49
Nickel	mg/kg DM	490 ± 15.7	405 ± 81	49	82.7	-0.52
Selenium	mg/kg DM	1.25 ± 0.248	14 ± 2.8	0.414	1120	2.27
Silver	mg/kg DM	5.48 ± 0.345	4.59 ± 0.918	0.877	83.7	-0.48
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	- ± -	0.683	-	-
Tin	mg/kg DM	232 ± 12.3	196 ± 39.2	34.8	84.5	-0.45
TOC (as C)	mg/kg DM	38100 ± 846	24900 ± 4980	3810	65.4	-1.32
Vanadium	mg/kg DM	106 ± 5.84	85.8 ± 17.2	16	80.6	-0.59
Zinc	mg/kg DM	3820 ± 88.8	3470 ± 694	382	90.8	-0.25
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	5.02 ± 0.75	0.48	105	0.14

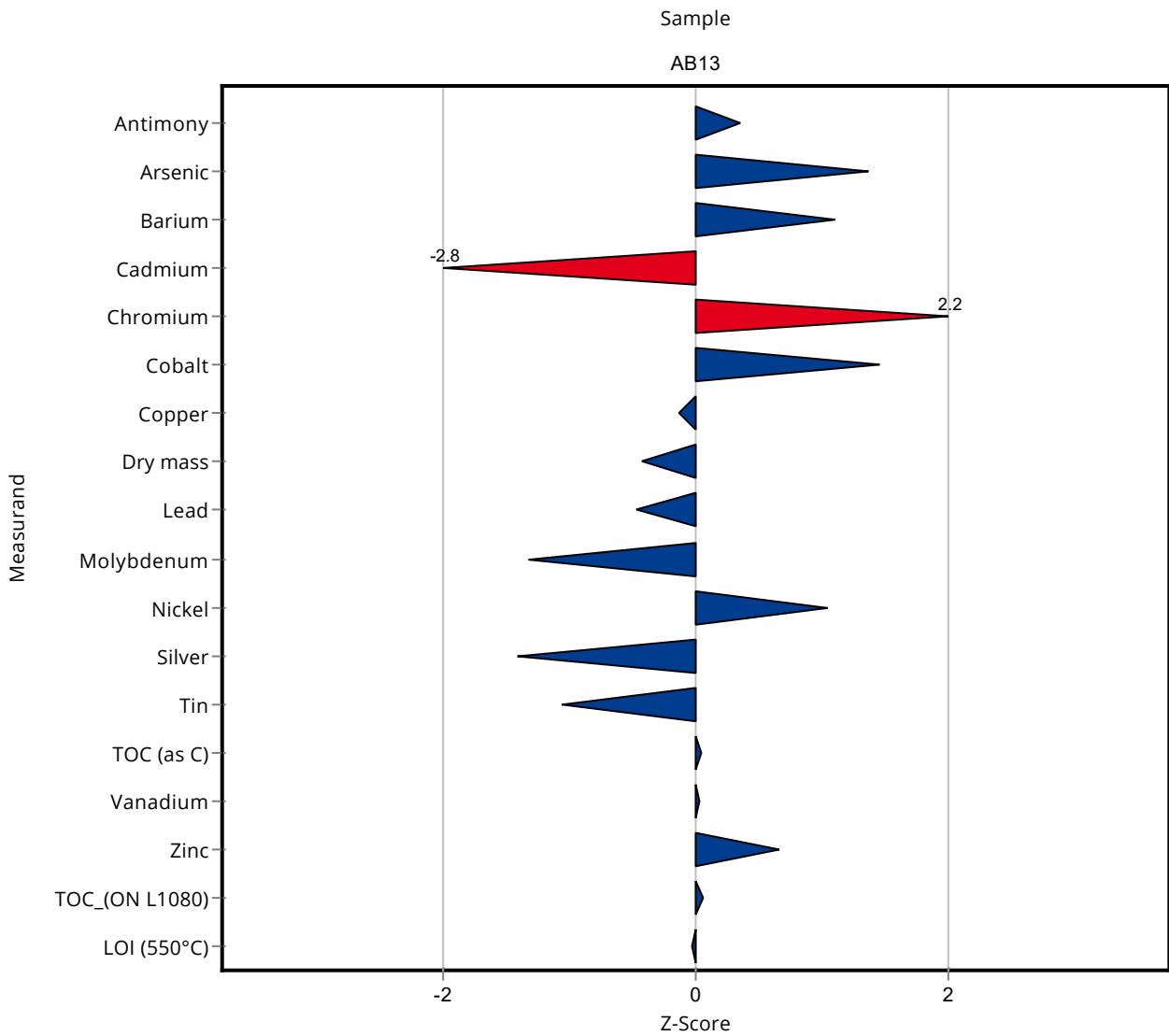


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13

Labcode: LC0031

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Antimony	mg/kg DM	92.9 ± 4.8	97.7 ± 17.6	13.9	105	0.35
Arsenic	mg/kg DM	5.58 ± 0.298	6.73 ± 1.12	0.837	121	1.37
Barium	mg/kg DM	8850 ± 1720	12748 ± 1108	3540	144	1.10
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	- ± -	0.0494	-	-
Cadmium	mg/kg DM	1.04 ± 0.0519	0.612 ± 0.0803	0.156	58.7	-2.75
Chromium	mg/kg DM	522 ± 29.2	694 ± 67.5	78.3	133	2.20
Cobalt	mg/kg DM	71.1 ± 5.14	89.8 ± 10.9	12.8	126	1.46
Copper	mg/kg DM	2260 ± 43.6	2225 ± 167	226	98.6	-0.14
Dry mass	%	99.4 ± 0.0533	99.18 ± 7.77	0.497	99.8	-0.43
HC-Index	mg/kg DM	1160 ± 157	- ± -	407	-	-
Lead	mg/kg DM	165 ± 7.67	155 ± 23.4	21.5	93.8	-0.48
Mercury	mg/kg DM	- ± -	0.0356 ± 0.0072	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	138 ± 18.2	15.9	86.7	-1.33
Nickel	mg/kg DM	490 ± 15.7	541 ± 66.4	49	110	1.05
Selenium	mg/kg DM	1.25 ± 0.248	<2 (LOQ) ± -	0.414	-	-
Silver	mg/kg DM	5.48 ± 0.345	4.25 ± 0.61	0.877	77.5	-1.41
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	- ± -	0.683	-	-
Tin	mg/kg DM	232 ± 12.3	195 ± 39.4	34.8	84.1	-1.06
TOC (as C)	mg/kg DM	38100 ± 846	38215 ± 7211	3810	100	0.04
Vanadium	mg/kg DM	106 ± 5.84	107 ± 21.8	16	100	0.03
Zinc	mg/kg DM	3820 ± 88.8	4075 ± 593	382	107	0.66
TOC_(ON L1080)	% dm	3.8 ± 0.0949	3.82 ± 0.721	0.38	101	0.05
LOI (550°C)	% dm	4.8 ± 0.0789	4.79 ± 0.713	0.48	99.7	-0.03

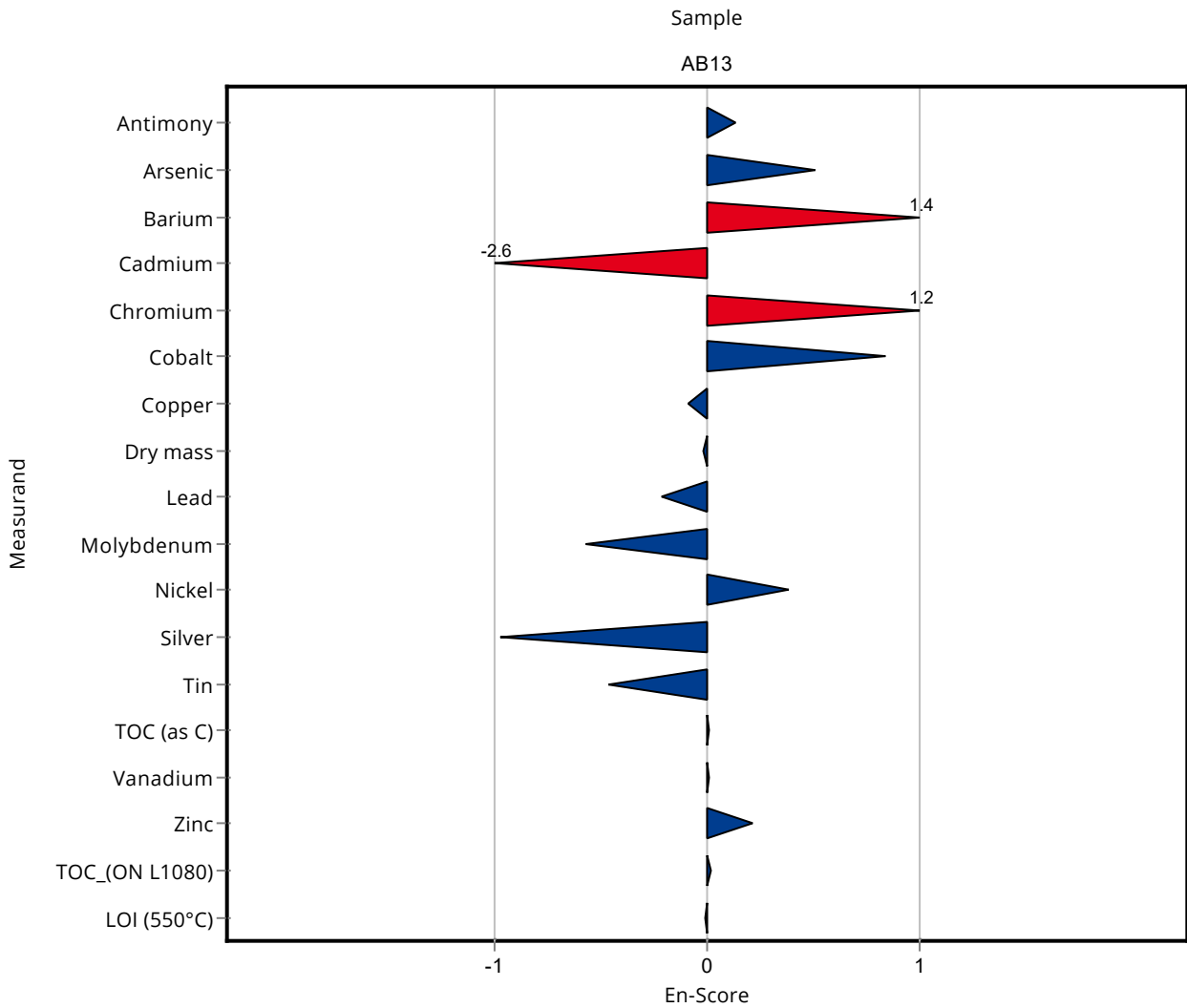


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13 - En-Score

Labcode: LC0031

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Antimony	mg/kg DM	92.9 ± 4.8	97.7 ± 17.6	13.9	105	0.14
Arsenic	mg/kg DM	5.58 ± 0.298	6.73 ± 1.12	0.837	121	0.51
Barium	mg/kg DM	8850 ± 1720	12748 ± 1108	3540	144	1.39
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	- ± -	0.0494	-	-
Cadmium	mg/kg DM	1.04 ± 0.0519	0.612 ± 0.0803	0.156	58.7	-2.55
Chromium	mg/kg DM	522 ± 29.2	694 ± 67.5	78.3	133	1.25
Cobalt	mg/kg DM	71.1 ± 5.14	89.8 ± 10.9	12.8	126	0.83
Copper	mg/kg DM	2260 ± 43.6	2225 ± 167	226	98.6	-0.09
Dry mass	%	99.4 ± 0.0533	99.18 ± 7.77	0.497	99.8	-0.01
HC-Index	mg/kg DM	1160 ± 157	- ± -	407	-	-
Lead	mg/kg DM	165 ± 7.67	155 ± 23.4	21.5	93.8	-0.22
Mercury	mg/kg DM	- ± -	0.0356 ± 0.0072	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	138 ± 18.2	15.9	86.7	-0.57
Nickel	mg/kg DM	490 ± 15.7	541 ± 66.4	49	110	0.38
Selenium	mg/kg DM	1.25 ± 0.248	<2 (LOQ) ± -	0.414	-	-
Silver	mg/kg DM	5.48 ± 0.345	4.25 ± 0.61	0.877	77.5	-0.97
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	- ± -	0.683	-	-
Tin	mg/kg DM	232 ± 12.3	195 ± 39.4	34.8	84.1	-0.46
TOC (as C)	mg/kg DM	38100 ± 846	38215 ± 7211	3810	100	0.01
Vanadium	mg/kg DM	106 ± 5.84	107 ± 21.8	16	100	0.01
Zinc	mg/kg DM	3820 ± 88.8	4075 ± 593	382	107	0.21
TOC_(ON L1080)	% dm	3.8 ± 0.0949	3.82 ± 0.721	0.38	101	0.01
LOI (550°C)	% dm	4.8 ± 0.0789	4.79 ± 0.713	0.48	99.7	-0.01

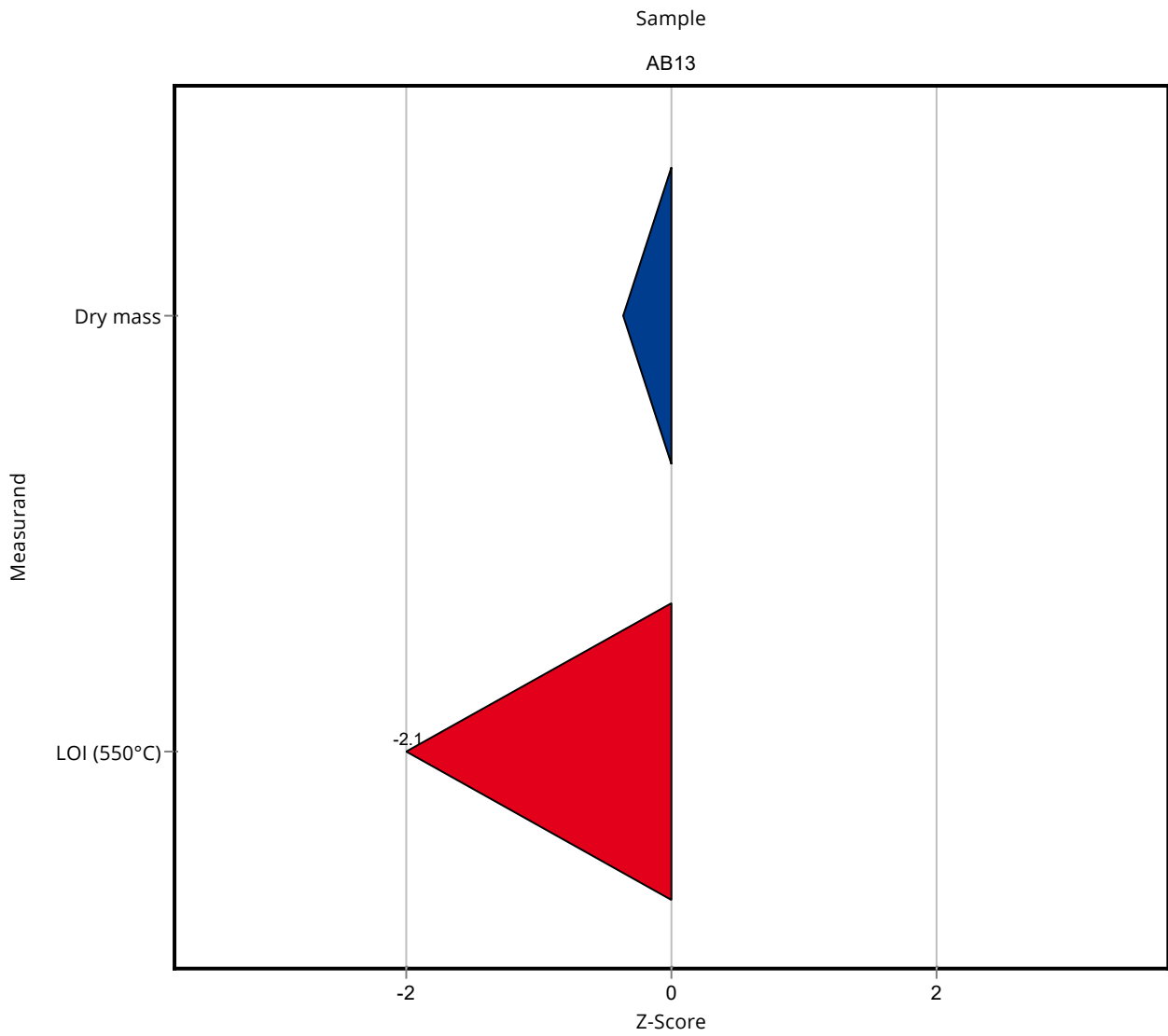


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13

Labcode: LC0032

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Antimony	mg/kg DM	92.9 ± 4.8	- ± -	13.9	-	-
Arsenic	mg/kg DM	5.58 ± 0.298	- ± -	0.837	-	-
Barium	mg/kg DM	8850 ± 1720	- ± -	3540	-	-
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	- ± -	0.0494	-	-
Cadmium	mg/kg DM	1.04 ± 0.0519	- ± -	0.156	-	-
Chromium	mg/kg DM	522 ± 29.2	- ± -	78.3	-	-
Cobalt	mg/kg DM	71.1 ± 5.14	- ± -	12.8	-	-
Copper	mg/kg DM	2260 ± 43.6	- ± -	226	-	-
Dry mass	%	99.4 ± 0.0533	99.21 ± 19.84	0.497	99.8	-0.37
HC-Index	mg/kg DM	1160 ± 157	- ± -	407	-	-
Lead	mg/kg DM	165 ± 7.67	- ± -	21.5	-	-
Mercury	mg/kg DM	- ± -	- ± -	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	- ± -	15.9	-	-
Nickel	mg/kg DM	490 ± 15.7	- ± -	49	-	-
Selenium	mg/kg DM	1.25 ± 0.248	- ± -	0.414	-	-
Silver	mg/kg DM	5.48 ± 0.345	- ± -	0.877	-	-
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	- ± -	0.683	-	-
Tin	mg/kg DM	232 ± 12.3	- ± -	34.8	-	-
TOC (as C)	mg/kg DM	38100 ± 846	- ± -	3810	-	-
Vanadium	mg/kg DM	106 ± 5.84	- ± -	16	-	-
Zinc	mg/kg DM	3820 ± 88.8	- ± -	382	-	-
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	3.81 ± 0.762	0.48	79.3	-2.07

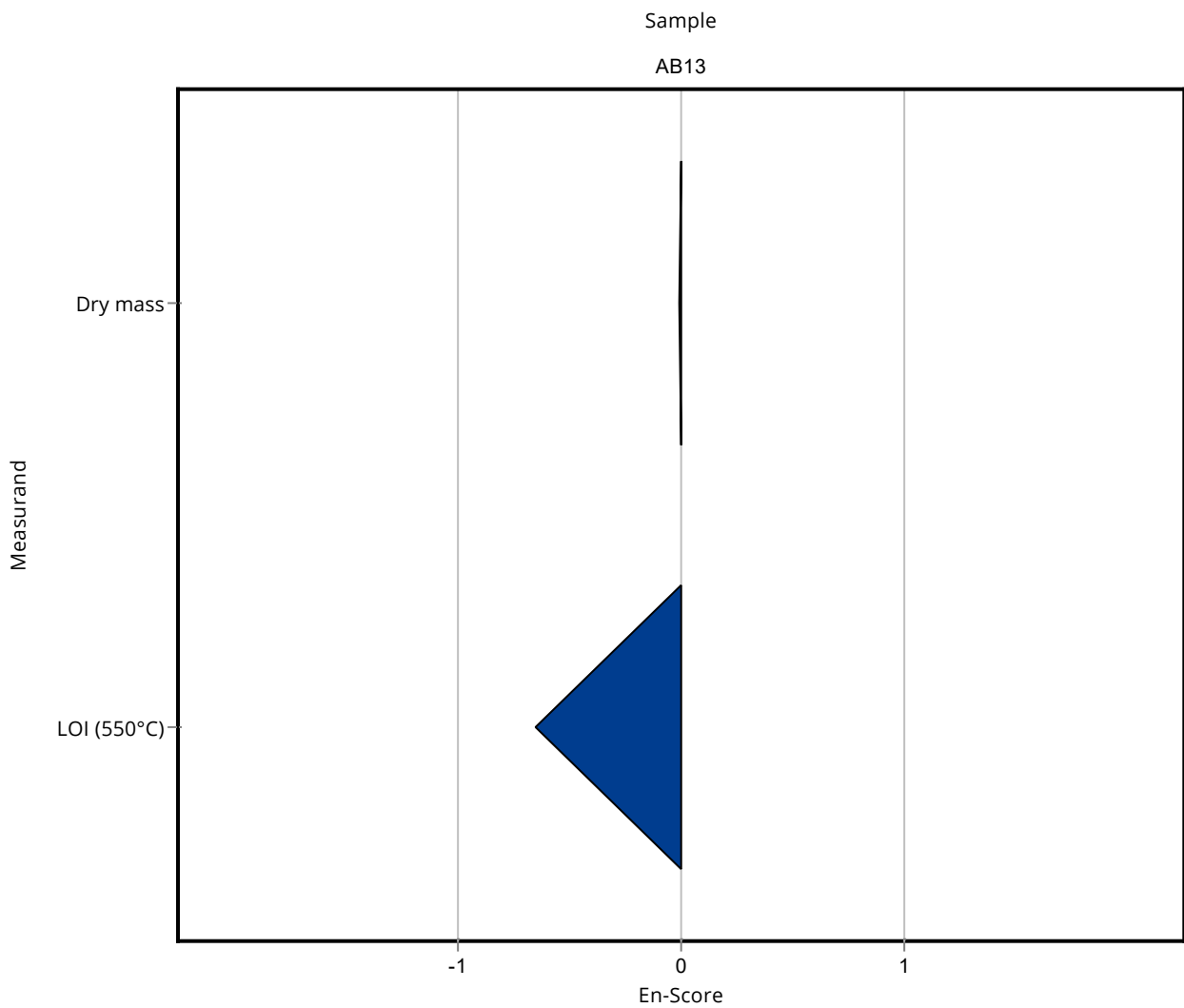


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13 - En-Score

Labcode: LC0032

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Antimony	mg/kg DM	92.9 ± 4.8	- ± -	13.9	-	-
Arsenic	mg/kg DM	5.58 ± 0.298	- ± -	0.837	-	-
Barium	mg/kg DM	8850 ± 1720	- ± -	3540	-	-
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	- ± -	0.0494	-	-
Cadmium	mg/kg DM	1.04 ± 0.0519	- ± -	0.156	-	-
Chromium	mg/kg DM	522 ± 29.2	- ± -	78.3	-	-
Cobalt	mg/kg DM	71.1 ± 5.14	- ± -	12.8	-	-
Copper	mg/kg DM	2260 ± 43.6	- ± -	226	-	-
Dry mass	%	99.4 ± 0.0533	99.21 ± 19.84	0.497	99.8	0.00
HC-Index	mg/kg DM	1160 ± 157	- ± -	407	-	-
Lead	mg/kg DM	165 ± 7.67	- ± -	21.5	-	-
Mercury	mg/kg DM	- ± -	- ± -	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	- ± -	15.9	-	-
Nickel	mg/kg DM	490 ± 15.7	- ± -	49	-	-
Selenium	mg/kg DM	1.25 ± 0.248	- ± -	0.414	-	-
Silver	mg/kg DM	5.48 ± 0.345	- ± -	0.877	-	-
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	- ± -	0.683	-	-
Tin	mg/kg DM	232 ± 12.3	- ± -	34.8	-	-
TOC (as C)	mg/kg DM	38100 ± 846	- ± -	3810	-	-
Vanadium	mg/kg DM	106 ± 5.84	- ± -	16	-	-
Zinc	mg/kg DM	3820 ± 88.8	- ± -	382	-	-
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	3.81 ± 0.762	0.48	79.3	-0.65

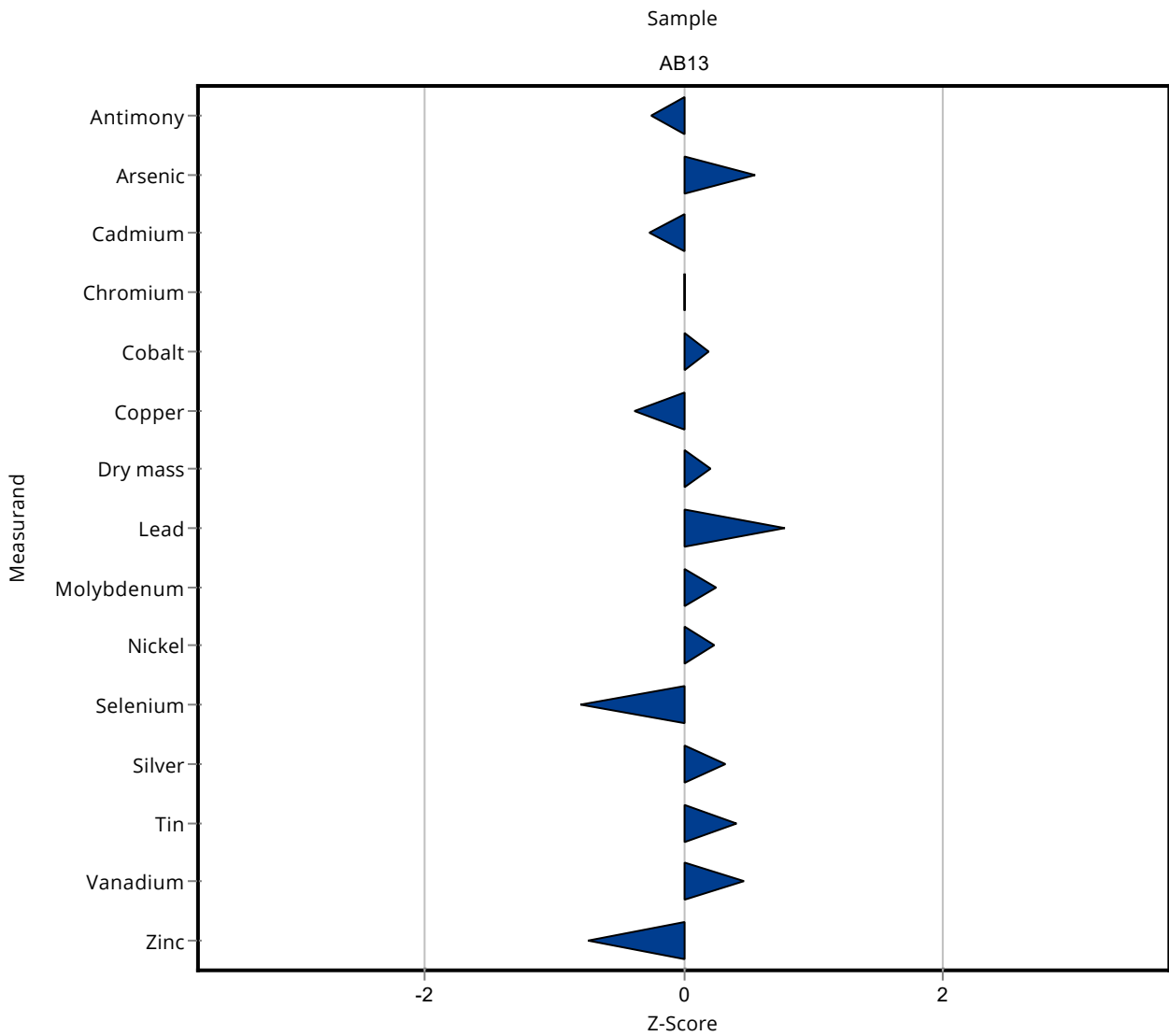


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13

Labcode: LC0033

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Antimony	mg/kg DM	92.9 ± 4.8	89.4 ± 26.8	13.9	96.3	-0.25
Arsenic	mg/kg DM	5.58 ± 0.298	6.04 ± 1.81	0.837	108	0.55
Barium	mg/kg DM	8850 ± 1720	- ± -	3540	-	-
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	- ± -	0.0494	-	-
Cadmium	mg/kg DM	1.04 ± 0.0519	1 ± 0.3	0.156	95.9	-0.27
Chromium	mg/kg DM	522 ± 29.2	522 ± 157	78.3	100	0.00
Cobalt	mg/kg DM	71.1 ± 5.14	73.6 ± 22.1	12.8	103	0.19
Copper	mg/kg DM	2260 ± 43.6	2171 ± 651	226	96.2	-0.38
Dry mass	%	99.4 ± 0.0533	99.5 ± 29.9	0.497	100	0.21
HC-Index	mg/kg DM	1160 ± 157	- ± -	407	-	-
Lead	mg/kg DM	165 ± 7.67	182 ± 54.6	21.5	110	0.78
Mercury	mg/kg DM	- ± -	0.052 ± 0.016	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	163 ± 48.9	15.9	102	0.24
Nickel	mg/kg DM	490 ± 15.7	501 ± 150	49	102	0.23
Selenium	mg/kg DM	1.25 ± 0.248	0.924 ± 0.277	0.414	73.7	-0.80
Silver	mg/kg DM	5.48 ± 0.345	5.77 ± 1.73	0.877	105	0.33
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	- ± -	0.683	-	-
Tin	mg/kg DM	232 ± 12.3	246 ± 73.8	34.8	106	0.40
TOC (as C)	mg/kg DM	38100 ± 846	- ± -	3810	-	-
Vanadium	mg/kg DM	106 ± 5.84	114 ± 34.2	16	107	0.47
Zinc	mg/kg DM	3820 ± 88.8	3543 ± 1060	382	92.7	-0.73
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	- ± -	0.48	-	-

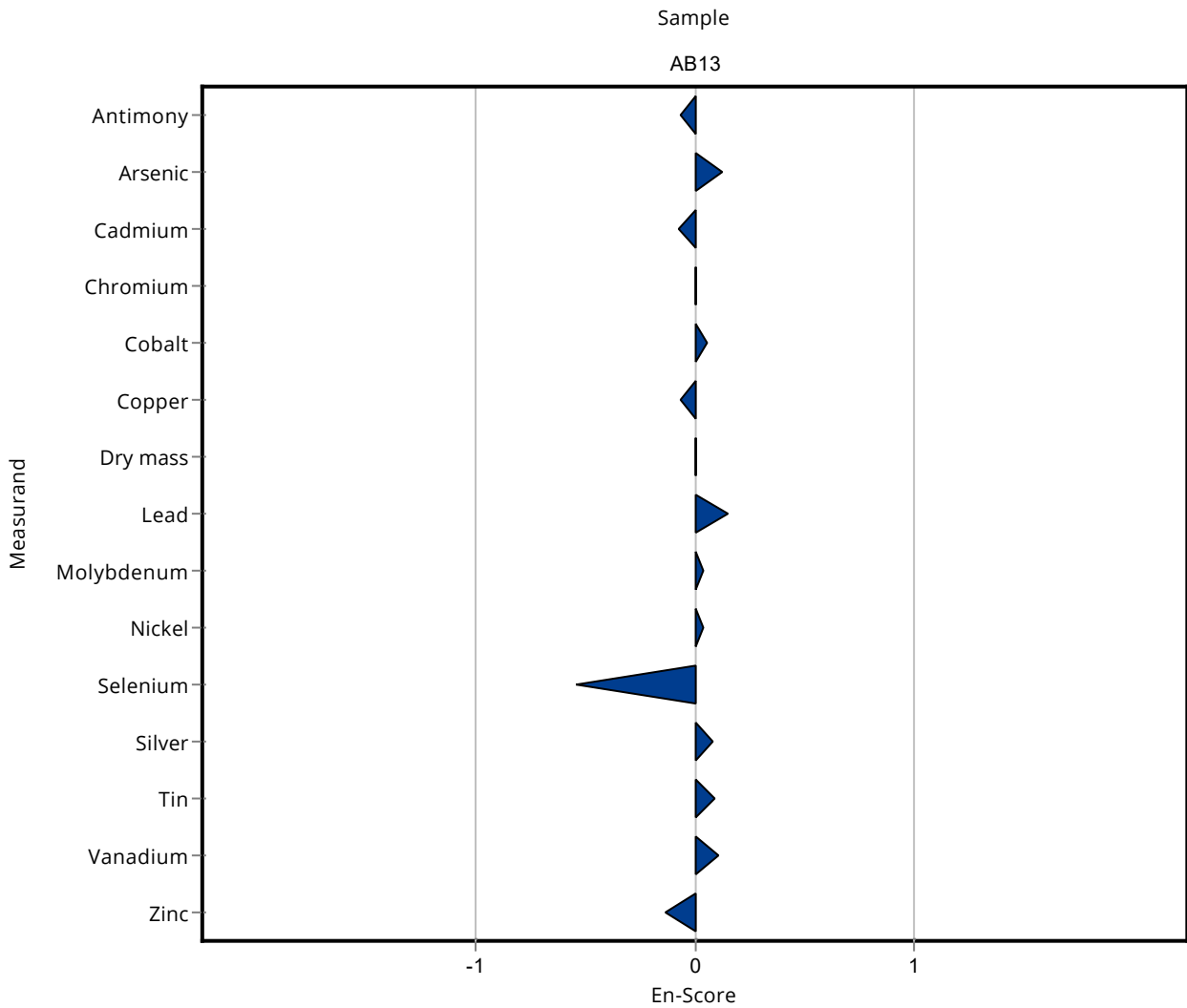


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13 - En-Score

Labcode: LC0033

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Antimony	mg/kg DM	92.9 ± 4.8	89.4 ± 26.8	13.9	96.3	-0.06
Arsenic	mg/kg DM	5.58 ± 0.298	6.04 ± 1.81	0.837	108	0.13
Barium	mg/kg DM	8850 ± 1720	- ± -	3540	-	-
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	- ± -	0.0494	-	-
Cadmium	mg/kg DM	1.04 ± 0.0519	1 ± 0.3	0.156	95.9	-0.07
Chromium	mg/kg DM	522 ± 29.2	522 ± 157	78.3	100	0.00
Cobalt	mg/kg DM	71.1 ± 5.14	73.6 ± 22.1	12.8	103	0.06
Copper	mg/kg DM	2260 ± 43.6	2171 ± 651	226	96.2	-0.06
Dry mass	%	99.4 ± 0.0533	99.5 ± 29.9	0.497	100	0.00
HC-Index	mg/kg DM	1160 ± 157	- ± -	407	-	-
Lead	mg/kg DM	165 ± 7.67	182 ± 54.6	21.5	110	0.15
Mercury	mg/kg DM	- ± -	0.052 ± 0.016	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	163 ± 48.9	15.9	102	0.04
Nickel	mg/kg DM	490 ± 15.7	501 ± 150	49	102	0.04
Selenium	mg/kg DM	1.25 ± 0.248	0.924 ± 0.277	0.414	73.7	-0.54
Silver	mg/kg DM	5.48 ± 0.345	5.77 ± 1.73	0.877	105	0.08
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	- ± -	0.683	-	-
Tin	mg/kg DM	232 ± 12.3	246 ± 73.8	34.8	106	0.09
TOC (as C)	mg/kg DM	38100 ± 846	- ± -	3810	-	-
Vanadium	mg/kg DM	106 ± 5.84	114 ± 34.2	16	107	0.11
Zinc	mg/kg DM	3820 ± 88.8	3543 ± 1060	382	92.7	-0.13
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	- ± -	0.48	-	-

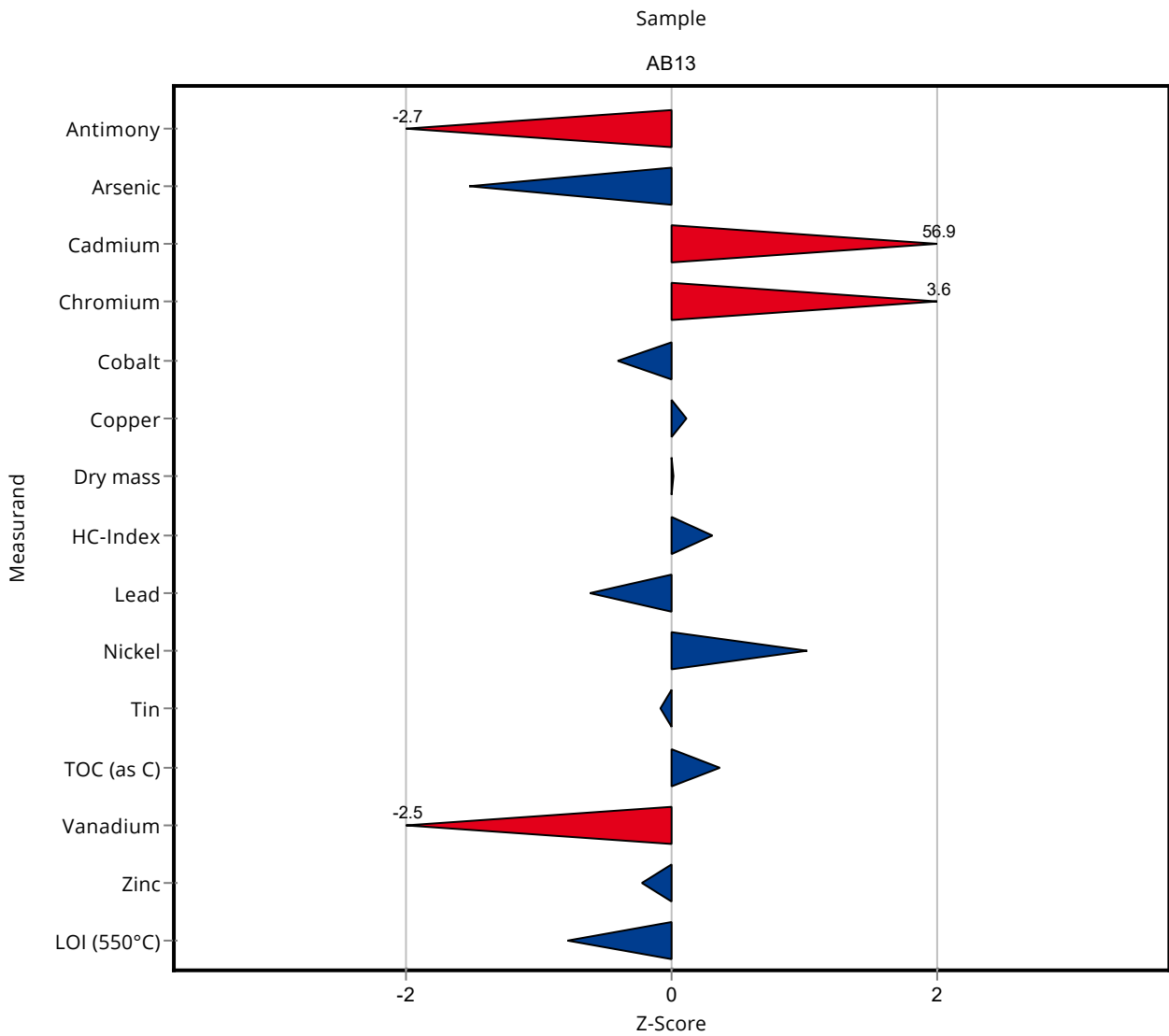


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13

Labcode: LC0034

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Antimony	mg/kg DM	92.9 ± 4.8	55.9 ± 0.247	13.9	60.2	-2.65
Arsenic	mg/kg DM	5.58 ± 0.298	4.31 ± 0.169	0.837	77.2	-1.52
Barium	mg/kg DM	8850 ± 1720	- ± -	3540	-	-
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	- ± -	0.0494	-	-
Cadmium	mg/kg DM	1.04 ± 0.0519	9.94 ± 0.829	0.156	954	56.90
Chromium	mg/kg DM	522 ± 29.2	801 ± 16.3	78.3	153	3.56
Cobalt	mg/kg DM	71.1 ± 5.14	65.9 ± 0.99	12.8	92.6	-0.41
Copper	mg/kg DM	2260 ± 43.6	2280 ± 152	226	101	0.11
Dry mass	%	99.4 ± 0.0533	99.4 ± 0.017	0.497	100	0.01
HC-Index	mg/kg DM	1160 ± 157	1291 ± 59.3	407	111	0.31
Lead	mg/kg DM	165 ± 7.67	152 ± 8.83	21.5	92	-0.62
Mercury	mg/kg DM	- ± -	0.022 ± 0.000949	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	- ± -	15.9	-	-
Nickel	mg/kg DM	490 ± 15.7	540 ± 9.19	49	110	1.03
Selenium	mg/kg DM	1.25 ± 0.248	- ± -	0.414	-	-
Silver	mg/kg DM	5.48 ± 0.345	- ± -	0.877	-	-
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	- ± -	0.683	-	-
Tin	mg/kg DM	232 ± 12.3	229 ± 25.7	34.8	98.7	-0.09
TOC (as C)	mg/kg DM	38100 ± 846	39430 ± 826	3810	104	0.36
Vanadium	mg/kg DM	106 ± 5.84	66.4 ± 3.82	16	62.4	-2.51
Zinc	mg/kg DM	3820 ± 88.8	3737 ± 195	382	97.7	-0.23
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	4.43 ± 0.014	0.48	92.2	-0.78

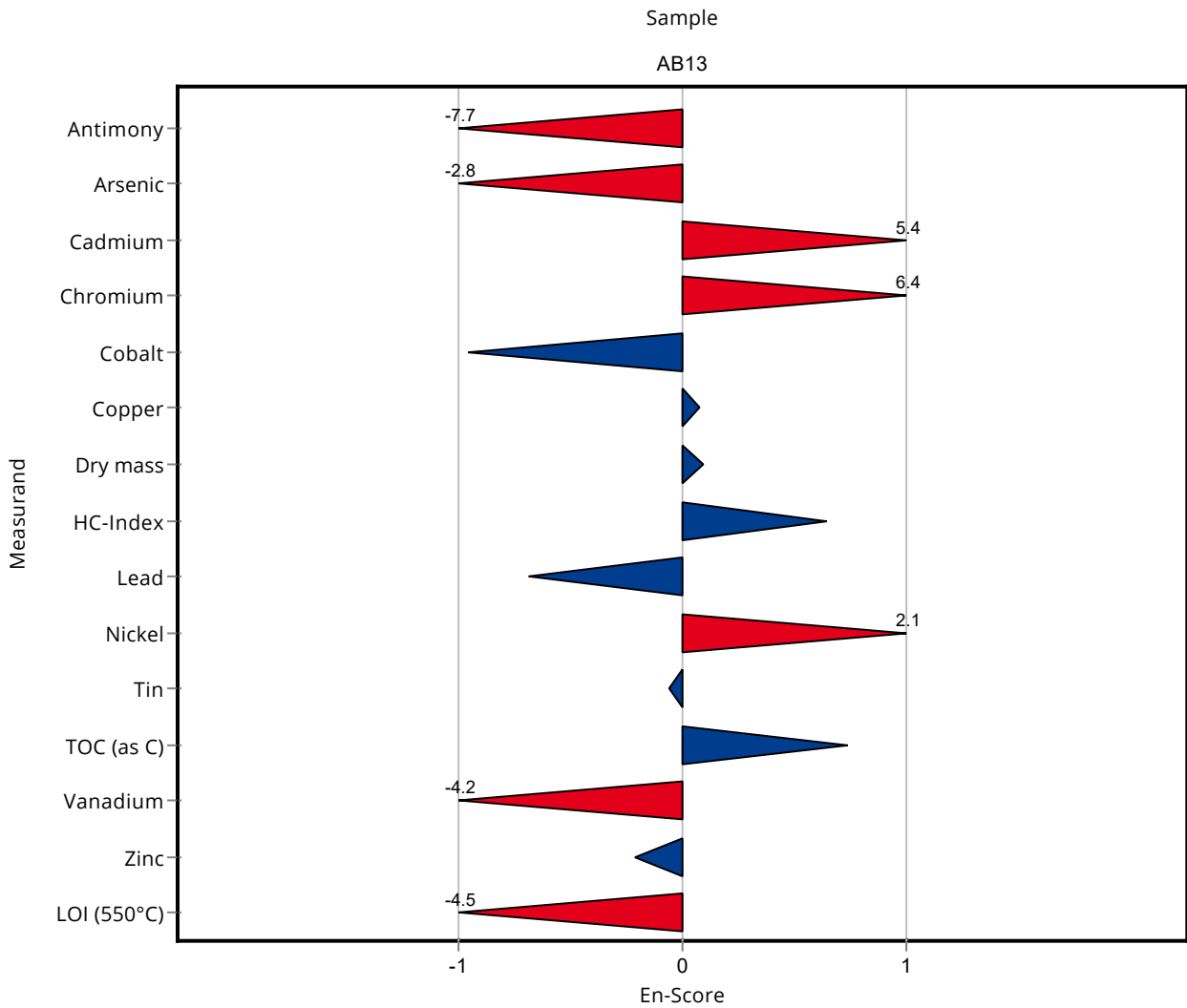


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13 - En-Score

Labcode: LC0034

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Antimony	mg/kg DM	92.9 ± 4.8	55.9 ± 0.247	13.9	60.2	-7.66
Arsenic	mg/kg DM	5.58 ± 0.298	4.31 ± 0.169	0.837	77.2	-2.83
Barium	mg/kg DM	8850 ± 1720	- ± -	3540	-	-
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	- ± -	0.0494	-	-
Cadmium	mg/kg DM	1.04 ± 0.0519	9.94 ± 0.829	0.156	954	5.36
Chromium	mg/kg DM	522 ± 29.2	801 ± 16.3	78.3	153	6.38
Cobalt	mg/kg DM	71.1 ± 5.14	65.9 ± 0.99	12.8	92.6	-0.95
Copper	mg/kg DM	2260 ± 43.6	2280 ± 152	226	101	0.08
Dry mass	%	99.4 ± 0.0533	99.4 ± 0.017	0.497	100	0.09
HC-Index	mg/kg DM	1160 ± 157	1291 ± 59.3	407	111	0.65
Lead	mg/kg DM	165 ± 7.67	152 ± 8.83	21.5	92	-0.69
Mercury	mg/kg DM	- ± -	0.022 ± 0.000949	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	- ± -	15.9	-	-
Nickel	mg/kg DM	490 ± 15.7	540 ± 9.19	49	110	2.08
Selenium	mg/kg DM	1.25 ± 0.248	- ± -	0.414	-	-
Silver	mg/kg DM	5.48 ± 0.345	- ± -	0.877	-	-
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	- ± -	0.683	-	-
Tin	mg/kg DM	232 ± 12.3	229 ± 25.7	34.8	98.7	-0.06
TOC (as C)	mg/kg DM	38100 ± 846	39430 ± 826	3810	104	0.73
Vanadium	mg/kg DM	106 ± 5.84	66.4 ± 3.82	16	62.4	-4.17
Zinc	mg/kg DM	3820 ± 88.8	3737 ± 195	382	97.7	-0.22
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	4.43 ± 0.014	0.48	92.2	-4.46

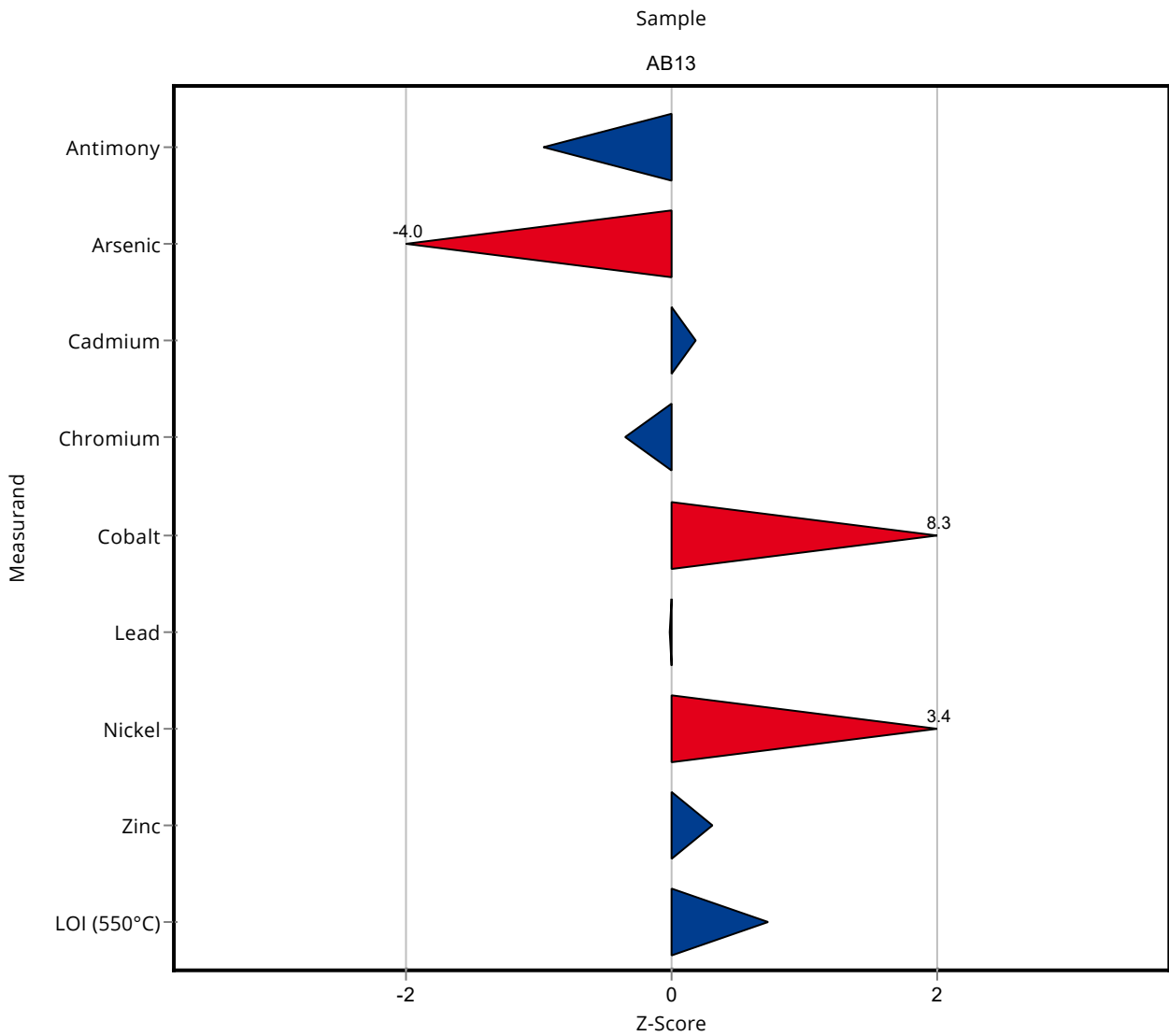


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13

Labcode: LC0035

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Antimony	mg/kg DM	92.9 ± 4.8	79.5 ± 2.5	13.9	85.6	-0.96
Arsenic	mg/kg DM	5.58 ± 0.298	2.23 ± 0.5	0.837	39.9	-4.00
Barium	mg/kg DM	8850 ± 1720	- ± -	3540	-	-
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	- ± -	0.0494	-	-
Cadmium	mg/kg DM	1.04 ± 0.0519	1.07 ± 0.5	0.156	103	0.18
Chromium	mg/kg DM	522 ± 29.2	494.3 ± 5	78.3	94.7	-0.35
Cobalt	mg/kg DM	71.1 ± 5.14	177.7 ± 2.5	12.8	250	8.32
Copper	mg/kg DM	2260 ± 43.6	- ± -	226	-	-
Dry mass	%	99.4 ± 0.0533	- ± -	0.497	-	-
HC-Index	mg/kg DM	1160 ± 157	- ± -	407	-	-
Lead	mg/kg DM	165 ± 7.67	165 ± 2.5	21.5	99.9	-0.01
Mercury	mg/kg DM	- ± -	<0.2 (LOQ) ± -	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	- ± -	15.9	-	-
Nickel	mg/kg DM	490 ± 15.7	654.1 ± 5	49	134	3.36
Selenium	mg/kg DM	1.25 ± 0.248	- ± -	0.414	-	-
Silver	mg/kg DM	5.48 ± 0.345	- ± -	0.877	-	-
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	- ± -	0.683	-	-
Tin	mg/kg DM	232 ± 12.3	- ± -	34.8	-	-
TOC (as C)	mg/kg DM	38100 ± 846	- ± -	3810	-	-
Vanadium	mg/kg DM	106 ± 5.84	- ± -	16	-	-
Zinc	mg/kg DM	3820 ± 88.8	3940 ± 50	382	103	0.31
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	5.15 ± 0.5	0.48	107	0.72

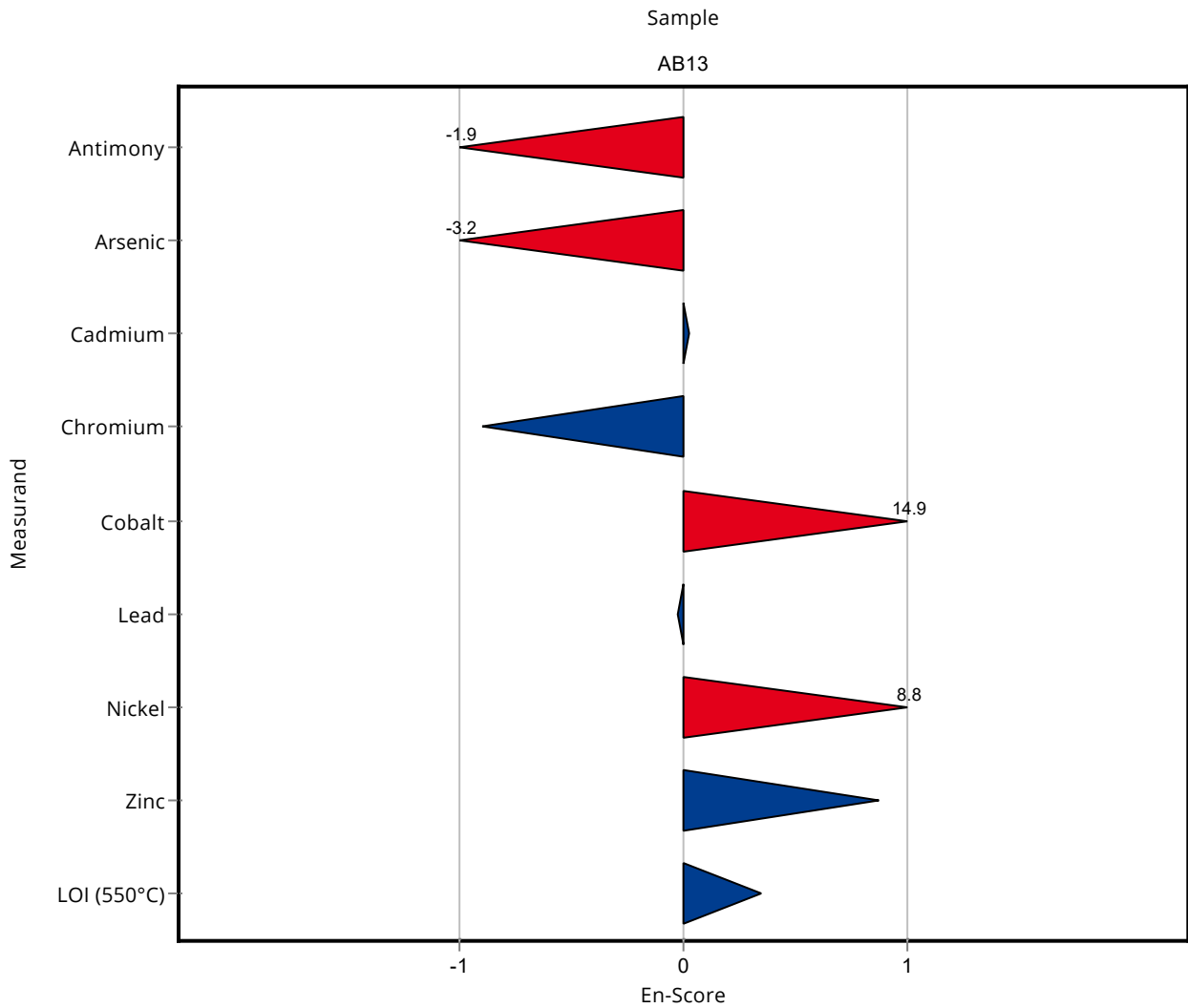


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13 - En-Score

Labcode: LC0035

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Antimony	mg/kg DM	92.9 ± 4.8	79.5 ± 2.5	13.9	85.6	-1.93
Arsenic	mg/kg DM	5.58 ± 0.298	2.23 ± 0.5	0.837	39.9	-3.21
Barium	mg/kg DM	8850 ± 1720	- ± -	3540	-	-
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	- ± -	0.0494	-	-
Cadmium	mg/kg DM	1.04 ± 0.0519	1.07 ± 0.5	0.156	103	0.03
Chromium	mg/kg DM	522 ± 29.2	494.3 ± 5	78.3	94.7	-0.90
Cobalt	mg/kg DM	71.1 ± 5.14	177.7 ± 2.5	12.8	250	14.86
Copper	mg/kg DM	2260 ± 43.6	- ± -	226	-	-
Dry mass	%	99.4 ± 0.0533	- ± -	0.497	-	-
HC-Index	mg/kg DM	1160 ± 157	- ± -	407	-	-
Lead	mg/kg DM	165 ± 7.67	165 ± 2.5	21.5	99.9	-0.02
Mercury	mg/kg DM	- ± -	<0.2 (LOQ) ± -	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	- ± -	15.9	-	-
Nickel	mg/kg DM	490 ± 15.7	654.1 ± 5	49	134	8.85
Selenium	mg/kg DM	1.25 ± 0.248	- ± -	0.414	-	-
Silver	mg/kg DM	5.48 ± 0.345	- ± -	0.877	-	-
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	- ± -	0.683	-	-
Tin	mg/kg DM	232 ± 12.3	- ± -	34.8	-	-
TOC (as C)	mg/kg DM	38100 ± 846	- ± -	3810	-	-
Vanadium	mg/kg DM	106 ± 5.84	- ± -	16	-	-
Zinc	mg/kg DM	3820 ± 88.8	3940 ± 50	382	103	0.87
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	5.15 ± 0.5	0.48	107	0.35

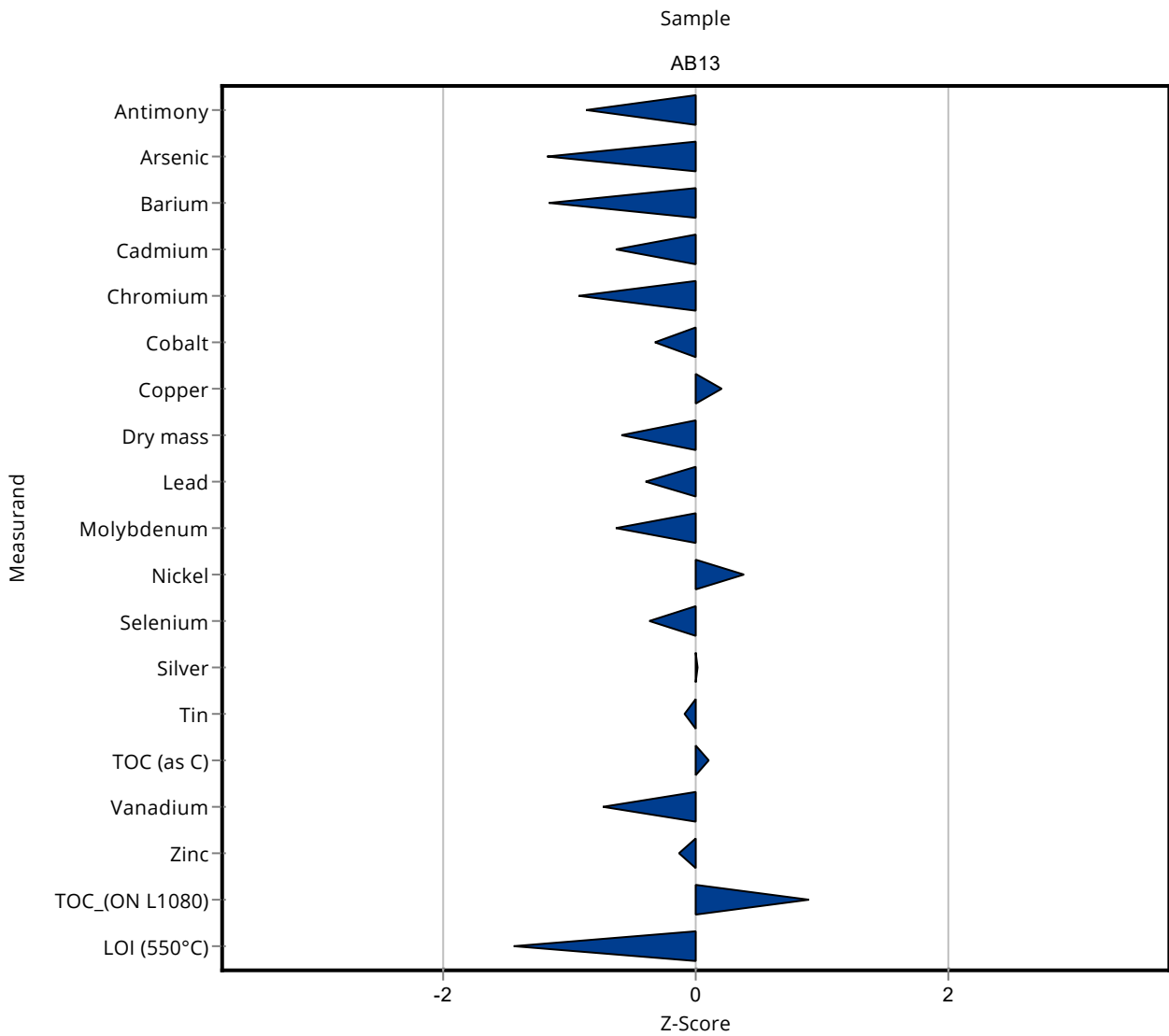


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13

Labcode: LC0036

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Antimony	mg/kg DM	92.9 ± 4.8	80.79 ± 8.079	13.9	87	-0.87
Arsenic	mg/kg DM	5.58 ± 0.298	4.603 ± 0.69	0.837	82.4	-1.17
Barium	mg/kg DM	8850 ± 1720	4743 ± 474	3540	53.6	-1.16
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	- ± -	0.0494	-	-
Cadmium	mg/kg DM	1.04 ± 0.0519	0.9447 ± 0.1417	0.156	90.6	-0.63
Chromium	mg/kg DM	522 ± 29.2	449.9 ± 44.99	78.3	86.2	-0.92
Cobalt	mg/kg DM	71.1 ± 5.14	66.93 ± 6.693	12.8	94.1	-0.33
Copper	mg/kg DM	2260 ± 43.6	2301 ± 345.2	226	102	0.20
Dry mass	%	99.4 ± 0.0533	99.1 ± 4.955	0.497	99.7	-0.59
HC-Index	mg/kg DM	1160 ± 157	- ± -	407	-	-
Lead	mg/kg DM	165 ± 7.67	156.7 ± 23.51	21.5	94.8	-0.40
Mercury	mg/kg DM	- ± -	<0.03 (LOQ) ± -	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	149.1 ± 14.91	15.9	93.7	-0.63
Nickel	mg/kg DM	490 ± 15.7	508.3 ± 50.83	49	104	0.38
Selenium	mg/kg DM	1.25 ± 0.248	1.1 ± 0.11	0.414	87.7	-0.37
Silver	mg/kg DM	5.48 ± 0.345	5.499 ± 0.55	0.877	100	0.02
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	- ± -	0.683	-	-
Tin	mg/kg DM	232 ± 12.3	229.1 ± 28.867	34.8	98.8	-0.08
TOC (as C)	mg/kg DM	38100 ± 846	38486.3 ± 4618.356	3810	101	0.11
Vanadium	mg/kg DM	106 ± 5.84	94.67 ± 9.467	16	88.9	-0.74
Zinc	mg/kg DM	3820 ± 88.8	3775 ± 566.3	382	98.7	-0.13
TOC_(ON L1080)	% dm	3.8 ± 0.0949	4.143 ± 0.829	0.38	109	0.90
LOI (550°C)	% dm	4.8 ± 0.0789	4.11 ± 0.33	0.48	85.6	-1.44

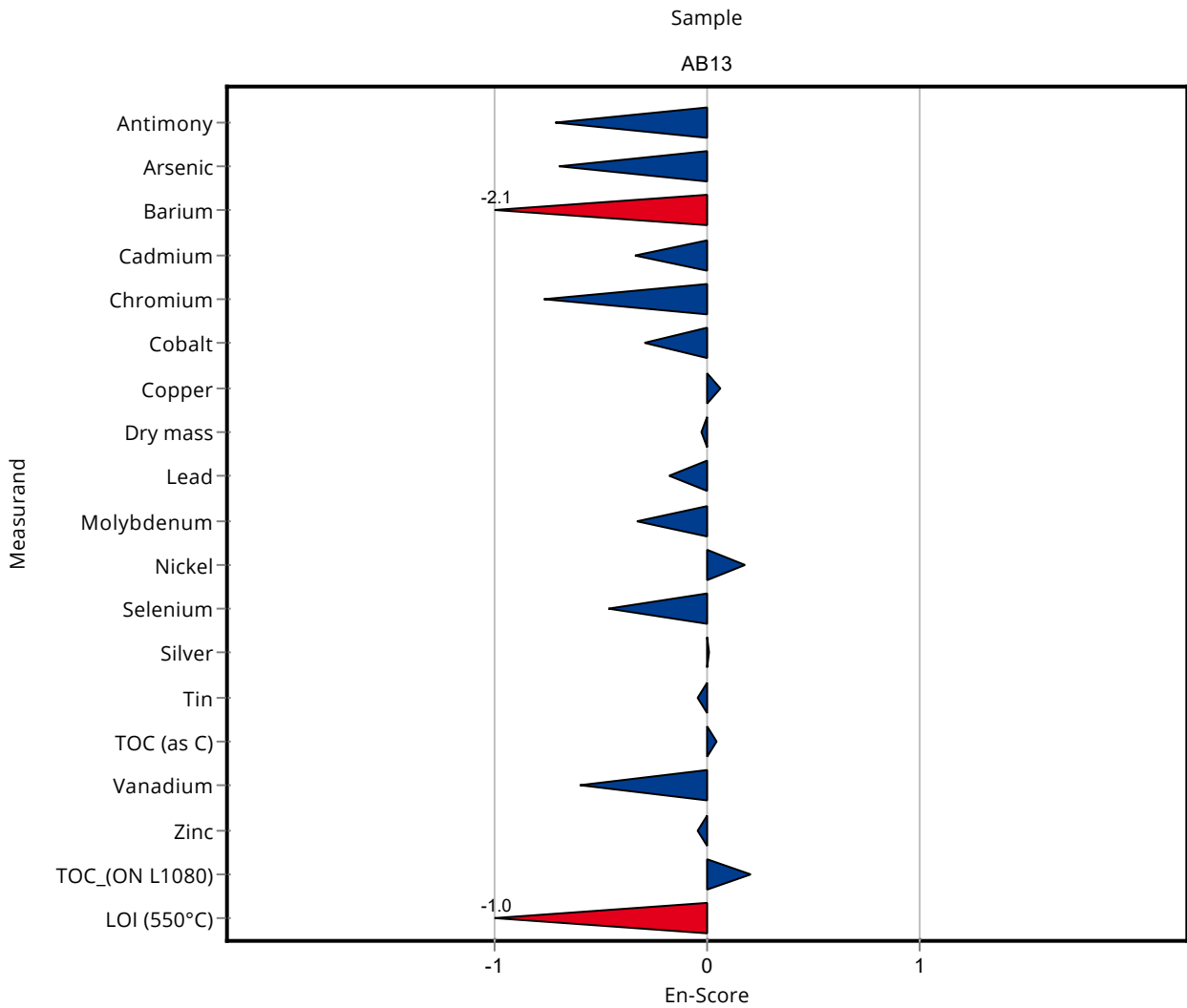


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13 - En-Score

Labcode: LC0036

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Antimony	mg/kg DM	92.9 ± 4.8	80.79 ± 8.079	13.9	87	-0.72
Arsenic	mg/kg DM	5.58 ± 0.298	4.603 ± 0.69	0.837	82.4	-0.69
Barium	mg/kg DM	8850 ± 1720	4743 ± 474	3540	53.6	-2.09
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	- ± -	0.0494	-	-
Cadmium	mg/kg DM	1.04 ± 0.0519	0.9447 ± 0.1417	0.156	90.6	-0.34
Chromium	mg/kg DM	522 ± 29.2	449.9 ± 44.99	78.3	86.2	-0.76
Cobalt	mg/kg DM	71.1 ± 5.14	66.93 ± 6.693	12.8	94.1	-0.29
Copper	mg/kg DM	2260 ± 43.6	2301 ± 345.2	226	102	0.07
Dry mass	%	99.4 ± 0.0533	99.1 ± 4.955	0.497	99.7	-0.03
HC-Index	mg/kg DM	1160 ± 157	- ± -	407	-	-
Lead	mg/kg DM	165 ± 7.67	156.7 ± 23.51	21.5	94.8	-0.18
Mercury	mg/kg DM	- ± -	<0.03 (LOQ) ± -	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	149.1 ± 14.91	15.9	93.7	-0.33
Nickel	mg/kg DM	490 ± 15.7	508.3 ± 50.83	49	104	0.18
Selenium	mg/kg DM	1.25 ± 0.248	1.1 ± 0.11	0.414	87.7	-0.47
Silver	mg/kg DM	5.48 ± 0.345	5.499 ± 0.55	0.877	100	0.01
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	- ± -	0.683	-	-
Tin	mg/kg DM	232 ± 12.3	229.1 ± 28.867	34.8	98.8	-0.05
TOC (as C)	mg/kg DM	38100 ± 846	38486.3 ± 4618.356	3810	101	0.05
Vanadium	mg/kg DM	106 ± 5.84	94.67 ± 9.467	16	88.9	-0.60
Zinc	mg/kg DM	3820 ± 88.8	3775 ± 566.3	382	98.7	-0.04
TOC_(ON L1080)	% dm	3.8 ± 0.0949	4.143 ± 0.829	0.38	109	0.21
LOI (550°C)	% dm	4.8 ± 0.0789	4.11 ± 0.33	0.48	85.6	-1.04

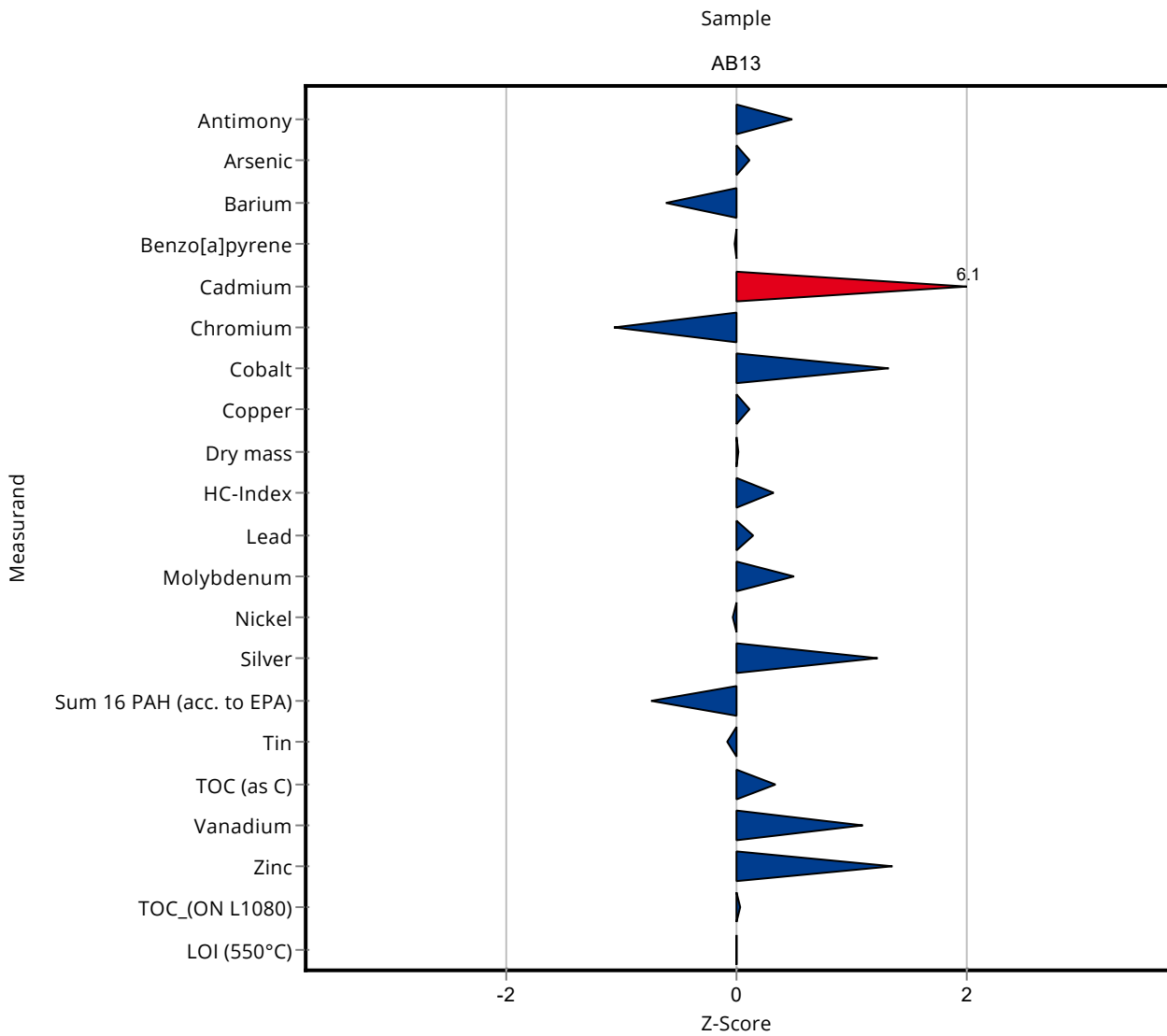


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13

Labcode: LC0037

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Antimony	mg/kg DM	92.9 ± 4.8	99.5 ± 19.9	13.9	107	0.48
Arsenic	mg/kg DM	5.58 ± 0.298	5.67 ± 1.13	0.837	102	0.10
Barium	mg/kg DM	8850 ± 1720	6650 ± 1330	3540	75.1	-0.62
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	0.104 ± 0.021	0.0494	99	-0.02
Cadmium	mg/kg DM	1.04 ± 0.0519	1.99 ± 0.4	0.156	191	6.06
Chromium	mg/kg DM	522 ± 29.2	438 ± 88	78.3	83.9	-1.07
Cobalt	mg/kg DM	71.1 ± 5.14	88 ± 17.6	12.8	124	1.32
Copper	mg/kg DM	2260 ± 43.6	2280 ± 460	226	101	0.11
Dry mass	%	99.4 ± 0.0533	99.4 ± 0.5	0.497	100	0.01
HC-Index	mg/kg DM	1160 ± 157	1290 ± 260	407	111	0.31
Lead	mg/kg DM	165 ± 7.67	168 ± 34	21.5	102	0.13
Mercury	mg/kg DM	- ± -	0.0155 ± 0.0031	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	167 ± 33	15.9	105	0.50
Nickel	mg/kg DM	490 ± 15.7	488 ± 98	49	99.7	-0.03
Selenium	mg/kg DM	1.25 ± 0.248	<1 (LOQ) ± -	0.414	-	-
Silver	mg/kg DM	5.48 ± 0.345	6.55 ± 1.31	0.877	119	1.22
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	1.39 ± 0.28	0.683	73.3	-0.74
Tin	mg/kg DM	232 ± 12.3	229 ± 46	34.8	98.7	-0.09
TOC (as C)	mg/kg DM	38100 ± 846	39300 ± 7900	3810	103	0.32
Vanadium	mg/kg DM	106 ± 5.84	124 ± 25	16	116	1.10
Zinc	mg/kg DM	3820 ± 88.8	4340 ± 870	382	114	1.35
TOC_(ON L1080)	% dm	3.8 ± 0.0949	3.81 ± 0.76	0.38	100	0.03
LOI (550°C)	% dm	4.8 ± 0.0789	4.8 ± 0.48	0.48	99.9	-0.01

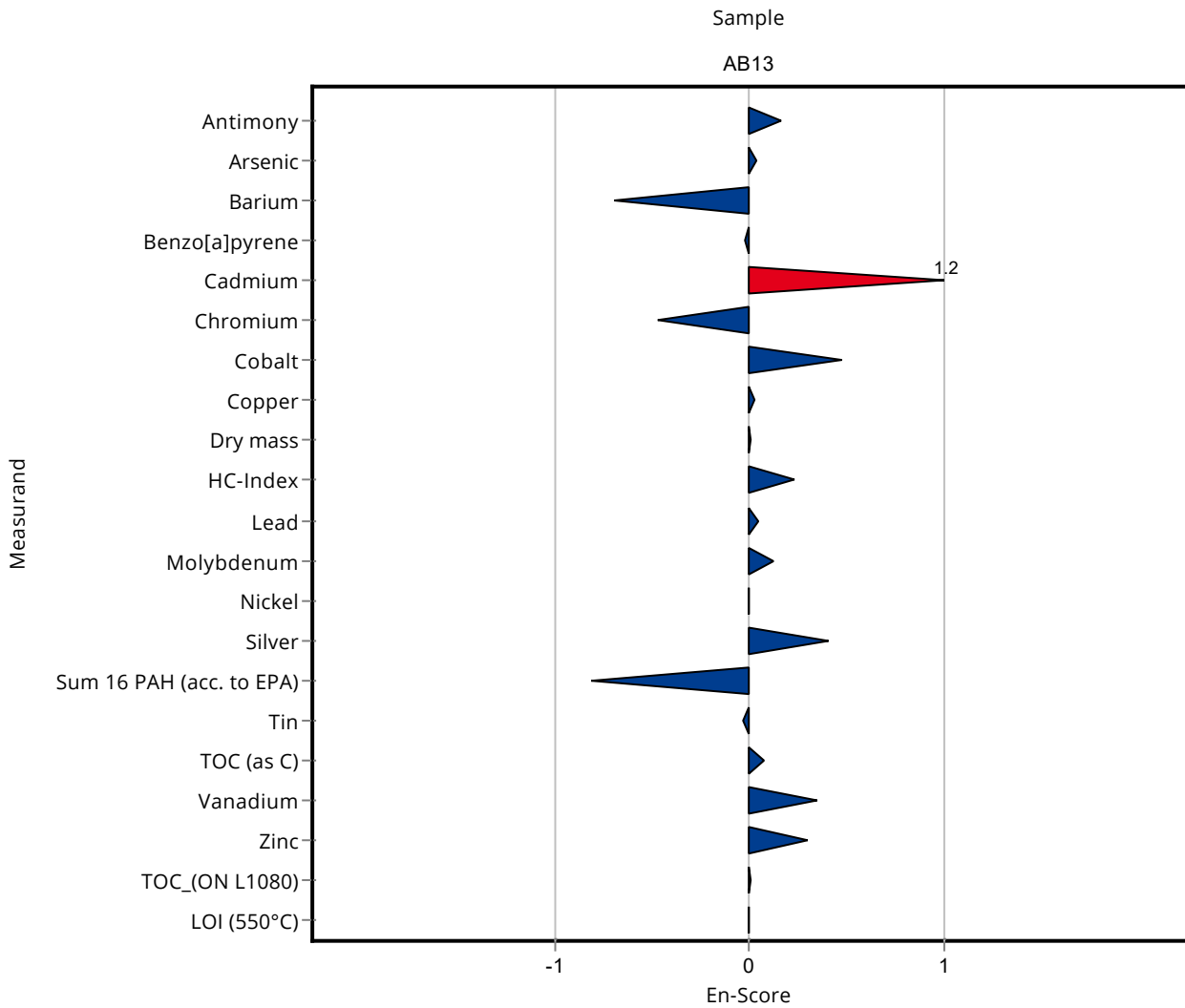


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13 - En-Score

Labcode: LC0037

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Antimony	mg/kg DM	92.9 ± 4.8	99.5 ± 19.9	13.9	107	0.17
Arsenic	mg/kg DM	5.58 ± 0.298	5.67 ± 1.13	0.837	102	0.04
Barium	mg/kg DM	8850 ± 1720	6650 ± 1330	3540	75.1	-0.70
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	0.104 ± 0.021	0.0494	99	-0.02
Cadmium	mg/kg DM	1.04 ± 0.0519	1.99 ± 0.4	0.156	191	1.18
Chromium	mg/kg DM	522 ± 29.2	438 ± 88	78.3	83.9	-0.47
Cobalt	mg/kg DM	71.1 ± 5.14	88 ± 17.6	12.8	124	0.47
Copper	mg/kg DM	2260 ± 43.6	2280 ± 460	226	101	0.03
Dry mass	%	99.4 ± 0.0533	99.4 ± 0.5	0.497	100	0.01
HC-Index	mg/kg DM	1160 ± 157	1290 ± 260	407	111	0.23
Lead	mg/kg DM	165 ± 7.67	168 ± 34	21.5	102	0.04
Mercury	mg/kg DM	- ± -	0.0155 ± 0.0031	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	167 ± 33	15.9	105	0.12
Nickel	mg/kg DM	490 ± 15.7	488 ± 98	49	99.7	-0.01
Selenium	mg/kg DM	1.25 ± 0.248	<1 (LOQ) ± -	0.414	-	-
Silver	mg/kg DM	5.48 ± 0.345	6.55 ± 1.31	0.877	119	0.40
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	1.39 ± 0.28	0.683	73.3	-0.81
Tin	mg/kg DM	232 ± 12.3	229 ± 46	34.8	98.7	-0.03
TOC (as C)	mg/kg DM	38100 ± 846	39300 ± 7900	3810	103	0.08
Vanadium	mg/kg DM	106 ± 5.84	124 ± 25	16	116	0.35
Zinc	mg/kg DM	3820 ± 88.8	4340 ± 870	382	114	0.30
TOC_(ON L1080)	% dm	3.8 ± 0.0949	3.81 ± 0.76	0.38	100	0.01
LOI (550°C)	% dm	4.8 ± 0.0789	4.8 ± 0.48	0.48	99.9	0.00

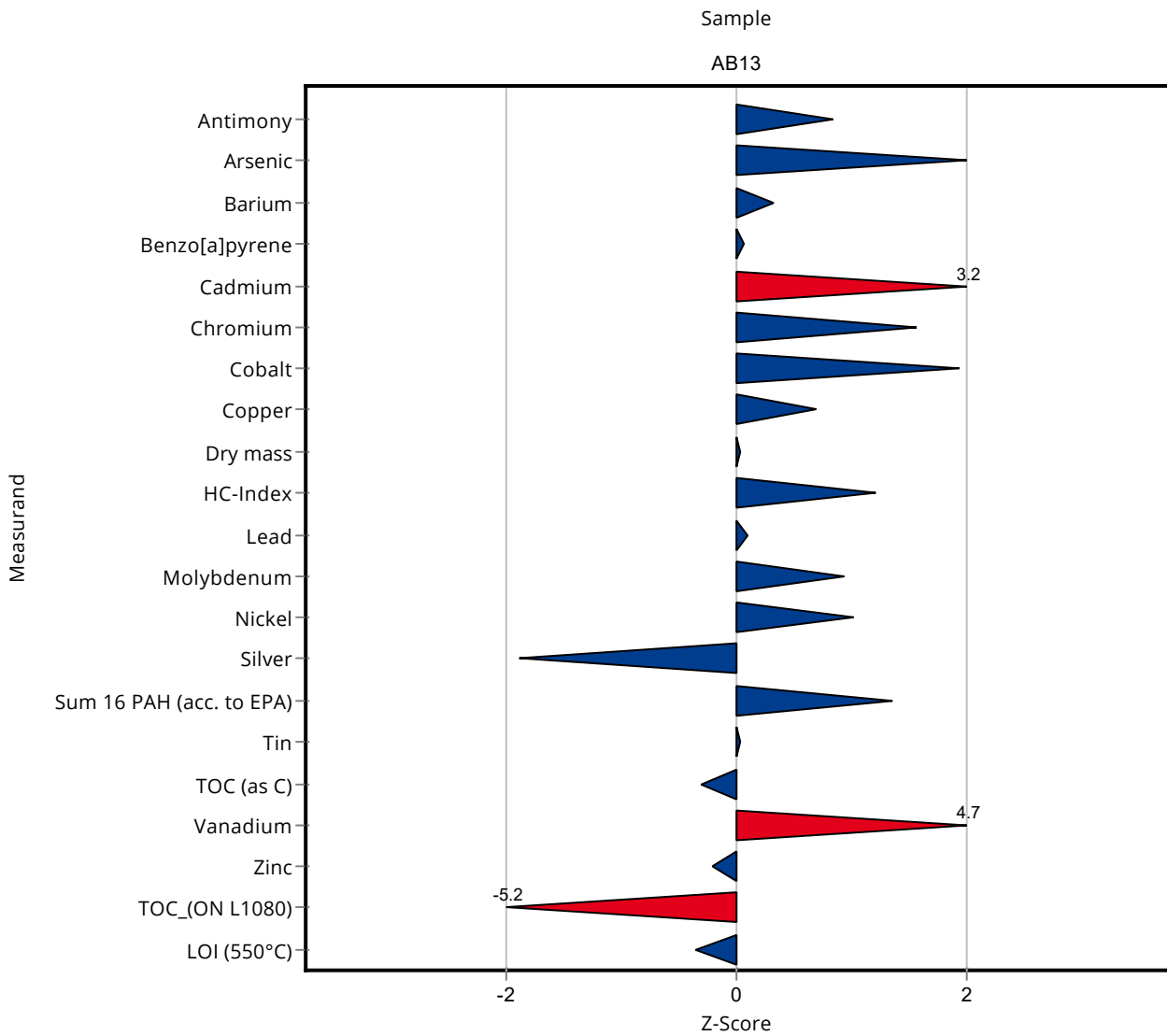


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13

Labcode: LC0038

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Antimony	mg/kg DM	92.9 ± 4.8	104.4 ± 7.52	13.9	112	0.83
Arsenic	mg/kg DM	5.58 ± 0.298	7.254 ± 0.66	0.837	130	2.00
Barium	mg/kg DM	8850 ± 1720	9960 ± 455.8	3540	112	0.31
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	0.1081 ± 0.0173	0.0494	103	0.06
Cadmium	mg/kg DM	1.04 ± 0.0519	1.541 ± 0.0565	0.156	148	3.19
Chromium	mg/kg DM	522 ± 29.2	643.7 ± 34.62	78.3	123	1.56
Cobalt	mg/kg DM	71.1 ± 5.14	95.82 ± 6.068	12.8	135	1.93
Copper	mg/kg DM	2260 ± 43.6	2411 ± 193.4	226	107	0.69
Dry mass	%	99.4 ± 0.0533	99.41 ± 0.15	0.497	100	0.03
HC-Index	mg/kg DM	1160 ± 157	1656 ± 82.71	407	142	1.21
Lead	mg/kg DM	165 ± 7.67	167.2 ± 6.711	21.5	101	0.09
Mercury	mg/kg DM	- ± -	<0.1794 ± -	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	174 ± 9.582	15.9	109	0.94
Nickel	mg/kg DM	490 ± 15.7	538.9 ± 49	49	110	1.01
Selenium	mg/kg DM	1.25 ± 0.248	<0.277 (LOD) ± -	0.414	-	-
Silver	mg/kg DM	5.48 ± 0.345	3.827 ± 0.38	0.877	69.8	-1.89
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	2.811 ± 0.1235	0.683	148	1.34
Tin	mg/kg DM	232 ± 12.3	232.8 ± 13.1	34.8	100	0.02
TOC (as C)	mg/kg DM	38100 ± 846	36845 ± 1022	3810	96.8	-0.32
Vanadium	mg/kg DM	106 ± 5.84	181.9 ± 6.27	16	171	4.72
Zinc	mg/kg DM	3820 ± 88.8	3740 ± 55.5	382	97.8	-0.22
TOC_(ON L1080)	% dm	3.8 ± 0.0949	1.838 ± 0.11	0.38	48.4	-5.16
LOI (550°C)	% dm	4.8 ± 0.0789	4.63 ± 0.15	0.48	96.4	-0.36

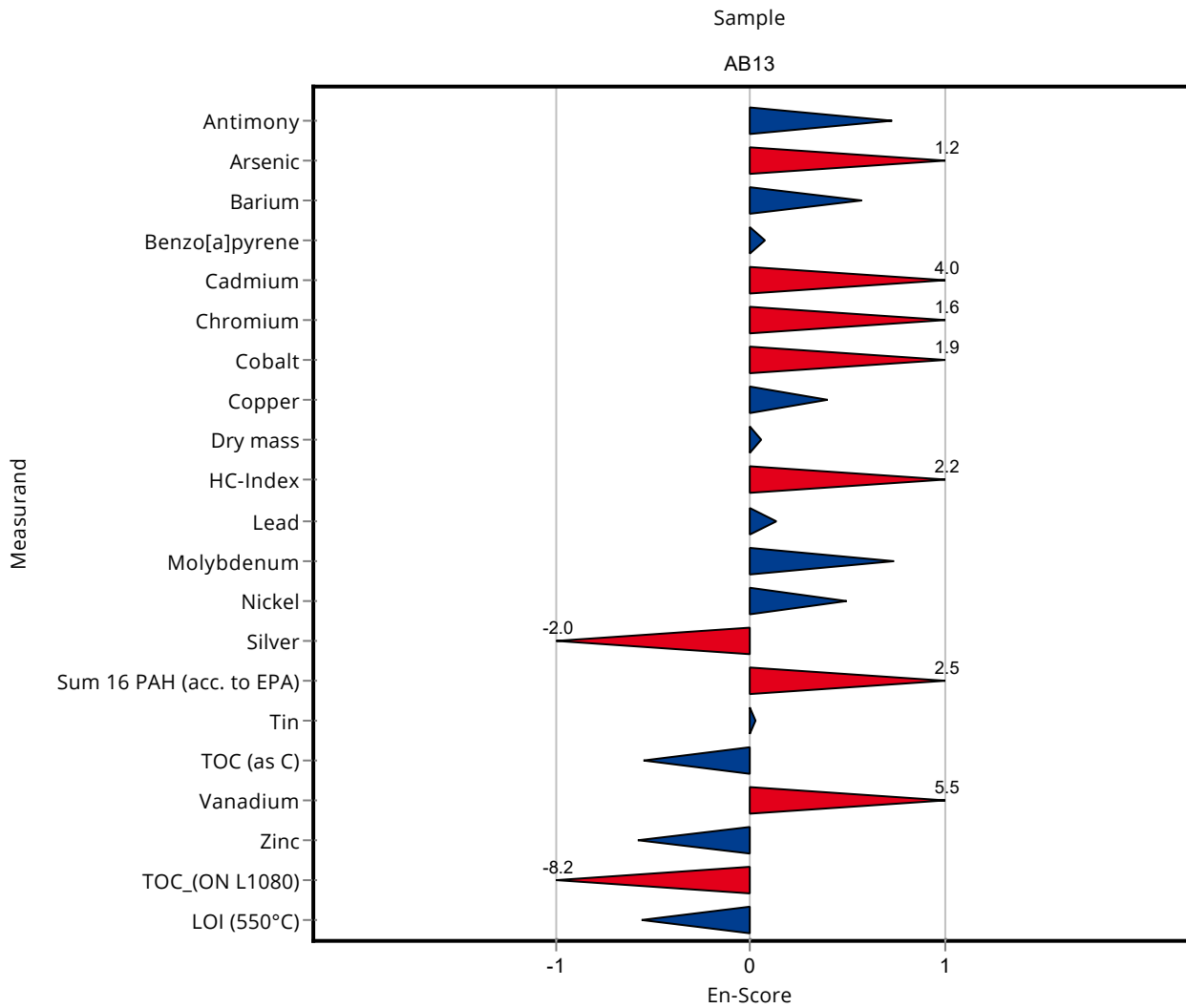


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13 - En-Score

Labcode: LC0038

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Antimony	mg/kg DM	92.9 ± 4.8	104.4 ± 7.52	13.9	112	0.73
Arsenic	mg/kg DM	5.58 ± 0.298	7.254 ± 0.66	0.837	130	1.23
Barium	mg/kg DM	8850 ± 1720	9960 ± 455.8	3540	112	0.57
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	0.1081 ± 0.0173	0.0494	103	0.08
Cadmium	mg/kg DM	1.04 ± 0.0519	1.541 ± 0.0565	0.156	148	4.01
Chromium	mg/kg DM	522 ± 29.2	643.7 ± 34.62	78.3	123	1.62
Cobalt	mg/kg DM	71.1 ± 5.14	95.82 ± 6.068	12.8	135	1.87
Copper	mg/kg DM	2260 ± 43.6	2411 ± 193.4	226	107	0.40
Dry mass	%	99.4 ± 0.0533	99.41 ± 0.15	0.497	100	0.05
HC-Index	mg/kg DM	1160 ± 157	1656 ± 82.71	407	142	2.16
Lead	mg/kg DM	165 ± 7.67	167.2 ± 6.711	21.5	101	0.13
Mercury	mg/kg DM	- ± -	<0.1794 ± -	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	174 ± 9.582	15.9	109	0.74
Nickel	mg/kg DM	490 ± 15.7	538.9 ± 49	49	110	0.50
Selenium	mg/kg DM	1.25 ± 0.248	<0.277 (LOD) ± -	0.414	-	-
Silver	mg/kg DM	5.48 ± 0.345	3.827 ± 0.38	0.877	69.8	-1.98
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	2.811 ± 0.1235	0.683	148	2.46
Tin	mg/kg DM	232 ± 12.3	232.8 ± 13.1	34.8	100	0.03
TOC (as C)	mg/kg DM	38100 ± 846	36845 ± 1022	3810	96.8	-0.55
Vanadium	mg/kg DM	106 ± 5.84	181.9 ± 6.27	16	171	5.45
Zinc	mg/kg DM	3820 ± 88.8	3740 ± 55.5	382	97.8	-0.58
TOC_(ON L1080)	% dm	3.8 ± 0.0949	1.838 ± 0.11	0.38	48.4	-8.19
LOI (550°C)	% dm	4.8 ± 0.0789	4.63 ± 0.15	0.48	96.4	-0.56

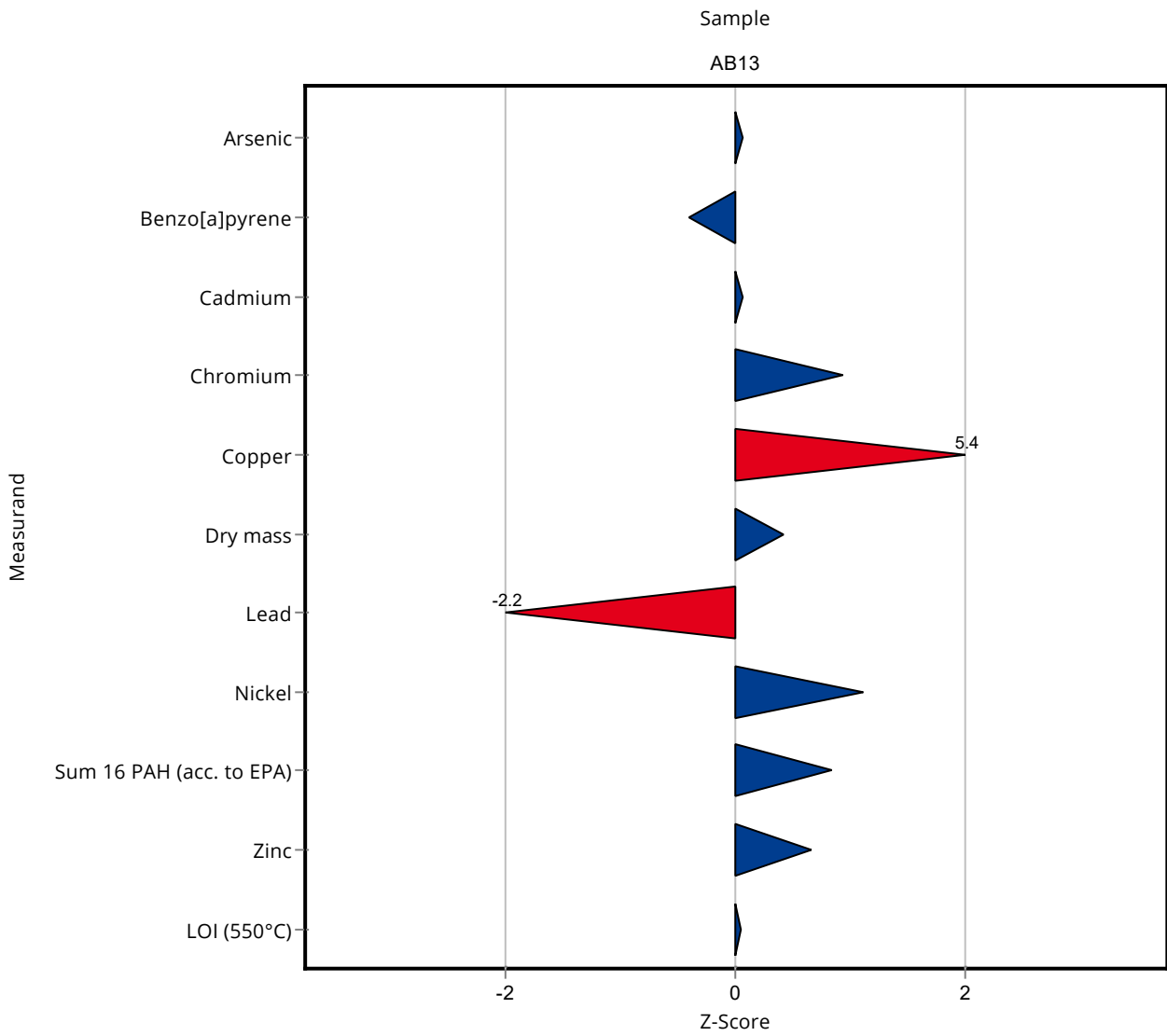


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13

Labcode: LC0039

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Antimony	mg/kg DM	92.9 ± 4.8	- ± -	13.9	-	-
Arsenic	mg/kg DM	5.58 ± 0.298	5.63 ± 1.126	0.837	101	0.06
Barium	mg/kg DM	8850 ± 1720	- ± -	3540	-	-
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	0.0846 ± 0.03807	0.0494	80.5	-0.41
Cadmium	mg/kg DM	1.04 ± 0.0519	1.05 ± 0.21	0.156	101	0.05
Chromium	mg/kg DM	522 ± 29.2	594 ± 118.8	78.3	114	0.92
Cobalt	mg/kg DM	71.1 ± 5.14	- ± -	12.8	-	-
Copper	mg/kg DM	2260 ± 43.6	3480 ± 696	226	154	5.43
Dry mass	%	99.4 ± 0.0533	99.6 ± 4.98	0.497	100	0.41
HC-Index	mg/kg DM	1160 ± 157	- ± -	407	-	-
Lead	mg/kg DM	165 ± 7.67	118 ± 35.4	21.5	71.4	-2.20
Mercury	mg/kg DM	- ± -	0.235 ± 0.047	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	- ± -	15.9	-	-
Nickel	mg/kg DM	490 ± 15.7	544 ± 163.2	49	111	1.11
Selenium	mg/kg DM	1.25 ± 0.248	- ± -	0.414	-	-
Silver	mg/kg DM	5.48 ± 0.345	- ± -	0.877	-	-
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	2.46 ± 1.107	0.683	130	0.83
Tin	mg/kg DM	232 ± 12.3	- ± -	34.8	-	-
TOC (as C)	mg/kg DM	38100 ± 846	- ± -	3810	-	-
Vanadium	mg/kg DM	106 ± 5.84	- ± -	16	-	-
Zinc	mg/kg DM	3820 ± 88.8	4070 ± 814	382	106	0.65
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	4.82 ± 0.482	0.48	100	0.03

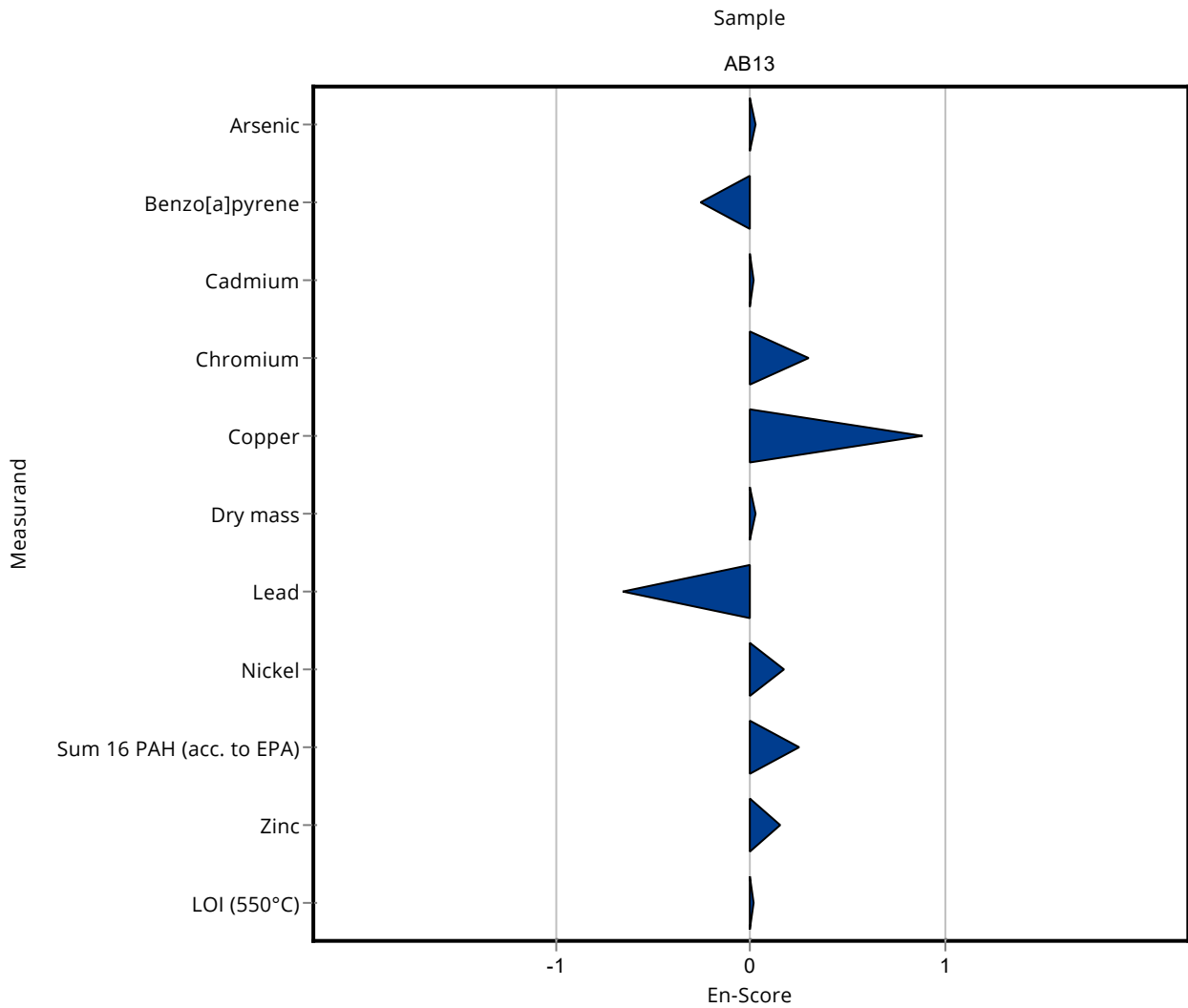


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13 - En-Score

Labcode: LC0039

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Antimony	mg/kg DM	92.9 ± 4.8	- ± -	13.9	-	-
Arsenic	mg/kg DM	5.58 ± 0.298	5.63 ± 1.126	0.837	101	0.02
Barium	mg/kg DM	8850 ± 1720	- ± -	3540	-	-
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	0.0846 ± 0.03807	0.0494	80.5	-0.26
Cadmium	mg/kg DM	1.04 ± 0.0519	1.05 ± 0.21	0.156	101	0.02
Chromium	mg/kg DM	522 ± 29.2	594 ± 118.8	78.3	114	0.30
Cobalt	mg/kg DM	71.1 ± 5.14	- ± -	12.8	-	-
Copper	mg/kg DM	2260 ± 43.6	3480 ± 696	226	154	0.88
Dry mass	%	99.4 ± 0.0533	99.6 ± 4.98	0.497	100	0.02
HC-Index	mg/kg DM	1160 ± 157	- ± -	407	-	-
Lead	mg/kg DM	165 ± 7.67	118 ± 35.4	21.5	71.4	-0.66
Mercury	mg/kg DM	- ± -	0.235 ± 0.047	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	- ± -	15.9	-	-
Nickel	mg/kg DM	490 ± 15.7	544 ± 163.2	49	111	0.17
Selenium	mg/kg DM	1.25 ± 0.248	- ± -	0.414	-	-
Silver	mg/kg DM	5.48 ± 0.345	- ± -	0.877	-	-
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	2.46 ± 1.107	0.683	130	0.25
Tin	mg/kg DM	232 ± 12.3	- ± -	34.8	-	-
TOC (as C)	mg/kg DM	38100 ± 846	- ± -	3810	-	-
Vanadium	mg/kg DM	106 ± 5.84	- ± -	16	-	-
Zinc	mg/kg DM	3820 ± 88.8	4070 ± 814	382	106	0.15
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	4.82 ± 0.482	0.48	100	0.02

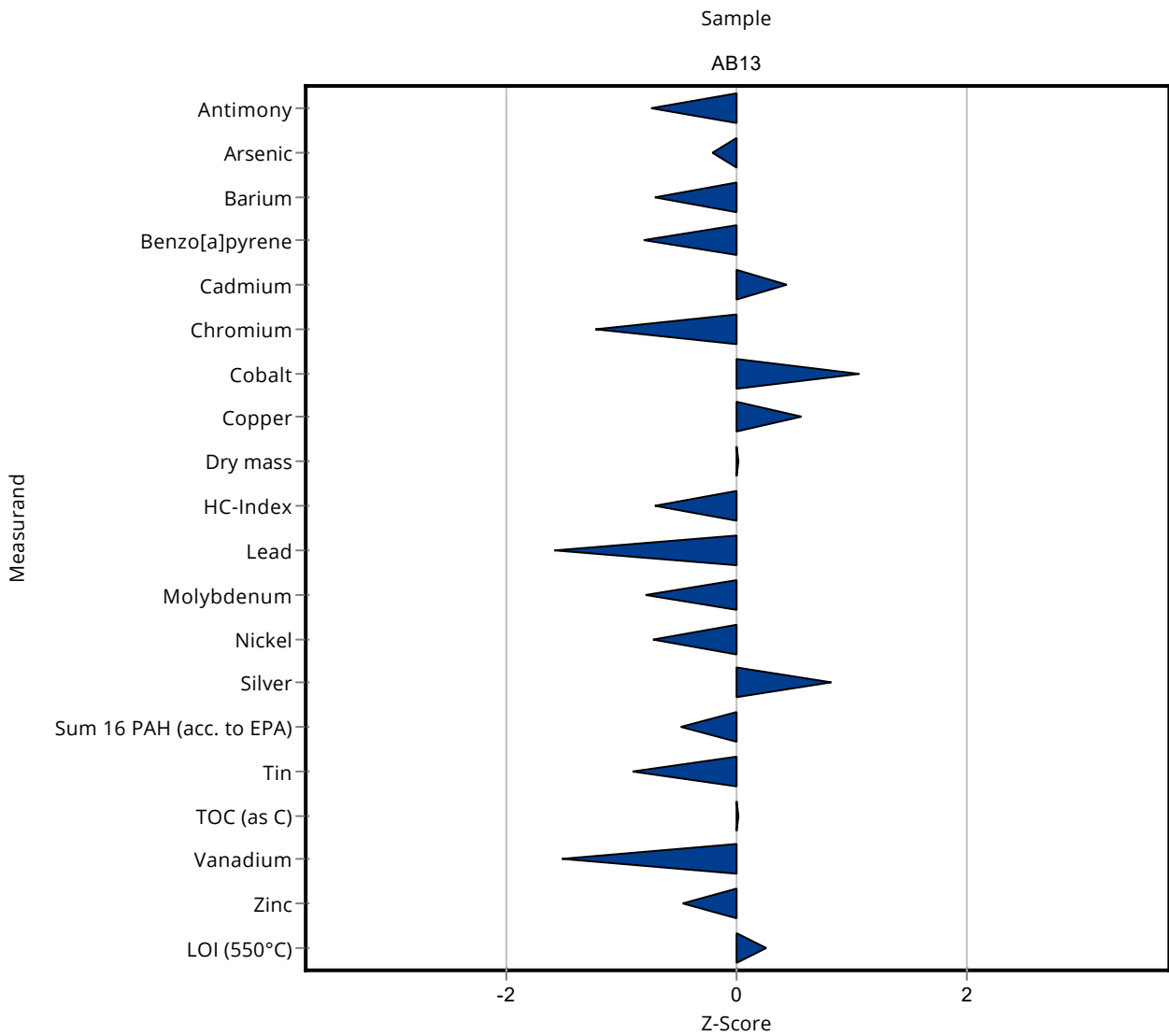


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13

Labcode: LC0040

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Antimony	mg/kg DM	92.9 ± 4.8	82.4 ± 9.4	13.9	88.7	-0.75
Arsenic	mg/kg DM	5.58 ± 0.298	5.4 ± 0.6	0.837	96.7	-0.22
Barium	mg/kg DM	8850 ± 1720	6300 ± 315	3540	71.1	-0.72
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	0.065 ± 0.006	0.0494	61.9	-0.81
Cadmium	mg/kg DM	1.04 ± 0.0519	1.11 ± 0.09	0.156	106	0.43
Chromium	mg/kg DM	522 ± 29.2	425 ± 35.3	78.3	81.4	-1.24
Cobalt	mg/kg DM	71.1 ± 5.14	84.7 ± 7.3	12.8	119	1.06
Copper	mg/kg DM	2260 ± 43.6	2380 ± 128	226	106	0.55
Dry mass	%	99.4 ± 0.0533	99.4 ± 1.2	0.497	100	0.01
HC-Index	mg/kg DM	1160 ± 157	871 ± 128	407	74.8	-0.72
Lead	mg/kg DM	165 ± 7.67	131 ± 9.5	21.5	79.3	-1.59
Mercury	mg/kg DM	- ± -	<0.05 (LOQ) ± -	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	146.5 ± 11.5	15.9	92.1	-0.79
Nickel	mg/kg DM	490 ± 15.7	454 ± 34	49	92.7	-0.73
Selenium	mg/kg DM	1.25 ± 0.248	<5 (LOQ) ± -	0.414	-	-
Silver	mg/kg DM	5.48 ± 0.345	6.2 ± 0.93	0.877	113	0.82
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	1.562 ± 0.24	0.683	82.4	-0.49
Tin	mg/kg DM	232 ± 12.3	200 ± 30	34.8	86.2	-0.92
TOC (as C)	mg/kg DM	38100 ± 846	38100 ± 2438	3810	100	0.01
Vanadium	mg/kg DM	106 ± 5.84	82.2 ± 10.5	16	77.2	-1.52
Zinc	mg/kg DM	3820 ± 88.8	3640 ± 311	382	95.2	-0.48
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	4.92 ± 0.057	0.48	102	0.24

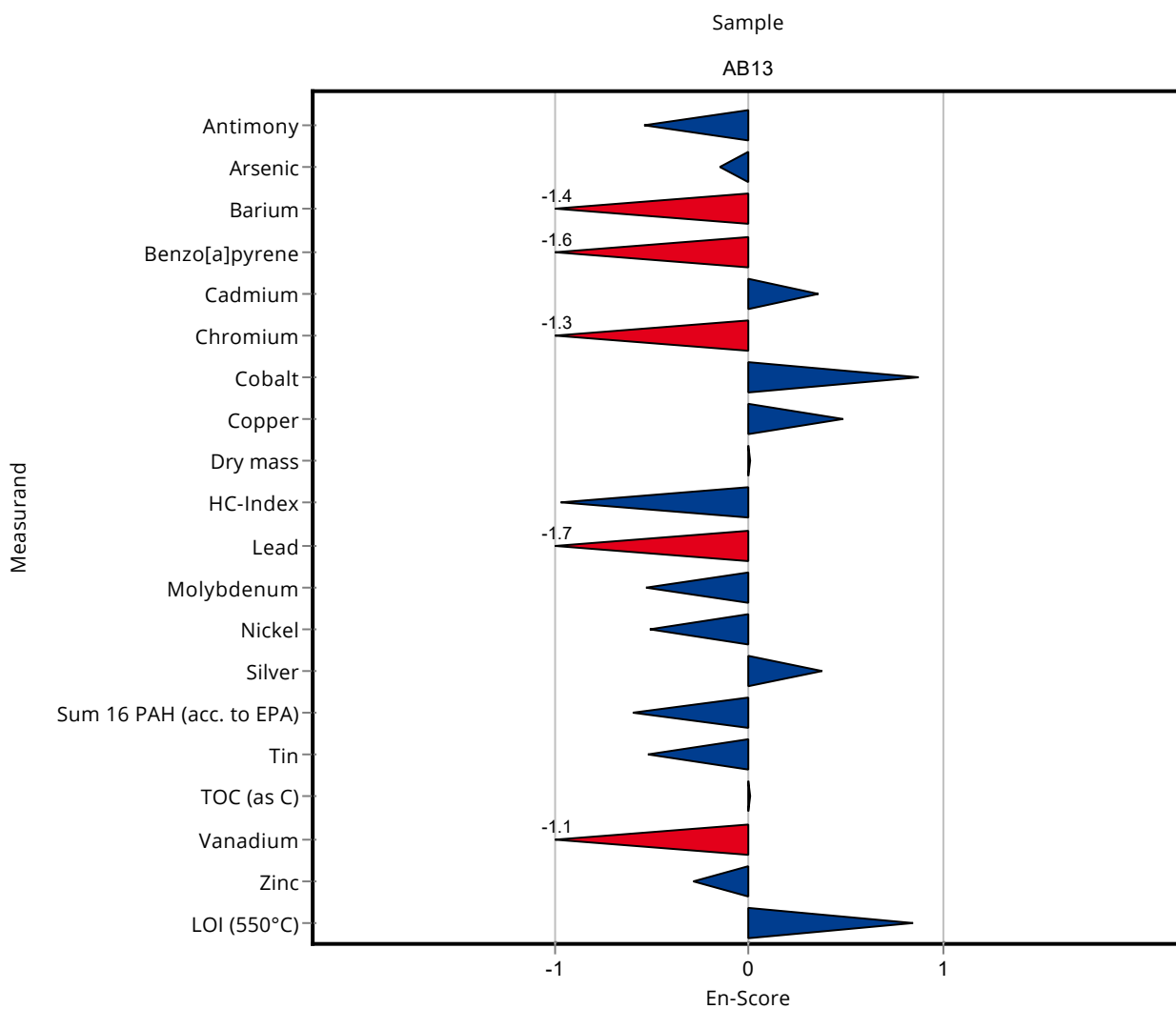


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13 - En-Score

Labcode: LC0040

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Antimony	mg/kg DM	92.9 ± 4.8	82.4 ± 9.4	13.9	88.7	-0.54
Arsenic	mg/kg DM	5.58 ± 0.298	5.4 ± 0.6	0.837	96.7	-0.15
Barium	mg/kg DM	8850 ± 1720	6300 ± 315	3540	71.1	-1.39
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	0.065 ± 0.006	0.0494	61.9	-1.63
Cadmium	mg/kg DM	1.04 ± 0.0519	1.11 ± 0.09	0.156	106	0.36
Chromium	mg/kg DM	522 ± 29.2	425 ± 35.3	78.3	81.4	-1.27
Cobalt	mg/kg DM	71.1 ± 5.14	84.7 ± 7.3	12.8	119	0.88
Copper	mg/kg DM	2260 ± 43.6	2380 ± 128	226	106	0.48
Dry mass	%	99.4 ± 0.0533	99.4 ± 1.2	0.497	100	0.00
HC-Index	mg/kg DM	1160 ± 157	871 ± 128	407	74.8	-0.98
Lead	mg/kg DM	165 ± 7.67	131 ± 9.5	21.5	79.3	-1.67
Mercury	mg/kg DM	- ± -	<0.05 (LOQ) ± -	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	146.5 ± 11.5	15.9	92.1	-0.53
Nickel	mg/kg DM	490 ± 15.7	454 ± 34	49	92.7	-0.51
Selenium	mg/kg DM	1.25 ± 0.248	<5 (LOQ) ± -	0.414	-	-
Silver	mg/kg DM	5.48 ± 0.345	6.2 ± 0.93	0.877	113	0.38
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	1.562 ± 0.24	0.683	82.4	-0.60
Tin	mg/kg DM	232 ± 12.3	200 ± 30	34.8	86.2	-0.52
TOC (as C)	mg/kg DM	38100 ± 846	38100 ± 2438	3810	100	0.01
Vanadium	mg/kg DM	106 ± 5.84	82.2 ± 10.5	16	77.2	-1.11
Zinc	mg/kg DM	3820 ± 88.8	3640 ± 311	382	95.2	-0.29
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	4.92 ± 0.057	0.48	102	0.84

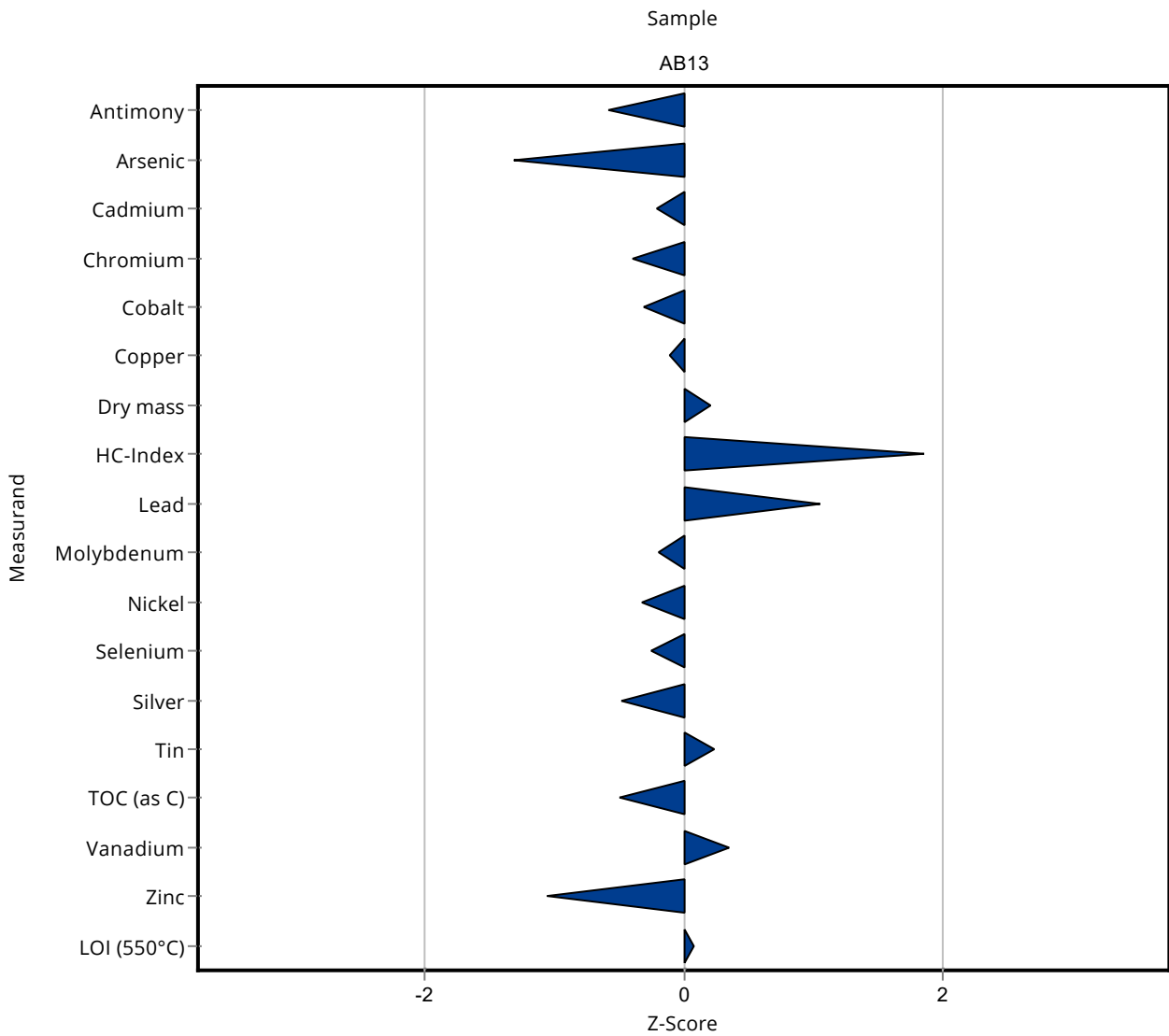


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13

Labcode: LC0041

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Antimony	mg/kg DM	92.9 ± 4.8	84.8 ± 25.44	13.9	91.3	-0.58
Arsenic	mg/kg DM	5.58 ± 0.298	4.49 ± 0.898	0.837	80.4	-1.31
Barium	mg/kg DM	8850 ± 1720	- ± -	3540	-	-
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	- ± -	0.0494	-	-
Cadmium	mg/kg DM	1.04 ± 0.0519	1.01 ± 0.202	0.156	96.9	-0.21
Chromium	mg/kg DM	522 ± 29.2	491 ± 98.2	78.3	94.1	-0.40
Cobalt	mg/kg DM	71.1 ± 5.14	67.2 ± 20.16	12.8	94.5	-0.31
Copper	mg/kg DM	2260 ± 43.6	2230 ± 446	226	98.9	-0.11
Dry mass	%	99.4 ± 0.0533	99.5 ± 4.975	0.497	100	0.21
HC-Index	mg/kg DM	1160 ± 157	1920 ± 480	407	165	1.86
Lead	mg/kg DM	165 ± 7.67	188 ± 56.4	21.5	114	1.06
Mercury	mg/kg DM	- ± -	<0.1 (LOQ) ± -	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	156 ± 39	15.9	98	-0.20
Nickel	mg/kg DM	490 ± 15.7	474 ± 142.2	49	96.8	-0.32
Selenium	mg/kg DM	1.25 ± 0.248	1.15 ± 0.23	0.414	91.7	-0.25
Silver	mg/kg DM	5.48 ± 0.345	5.06 ± 1.518	0.877	92.3	-0.48
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	- ± -	0.683	-	-
Tin	mg/kg DM	232 ± 12.3	240 ± 72	34.8	103	0.23
TOC (as C)	mg/kg DM	38100 ± 846	36200 ± 5430	3810	95.1	-0.49
Vanadium	mg/kg DM	106 ± 5.84	112 ± 33.6	16	105	0.35
Zinc	mg/kg DM	3820 ± 88.8	3420 ± 684	382	89.5	-1.05
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	4.84 ± 0.484	0.48	101	0.08

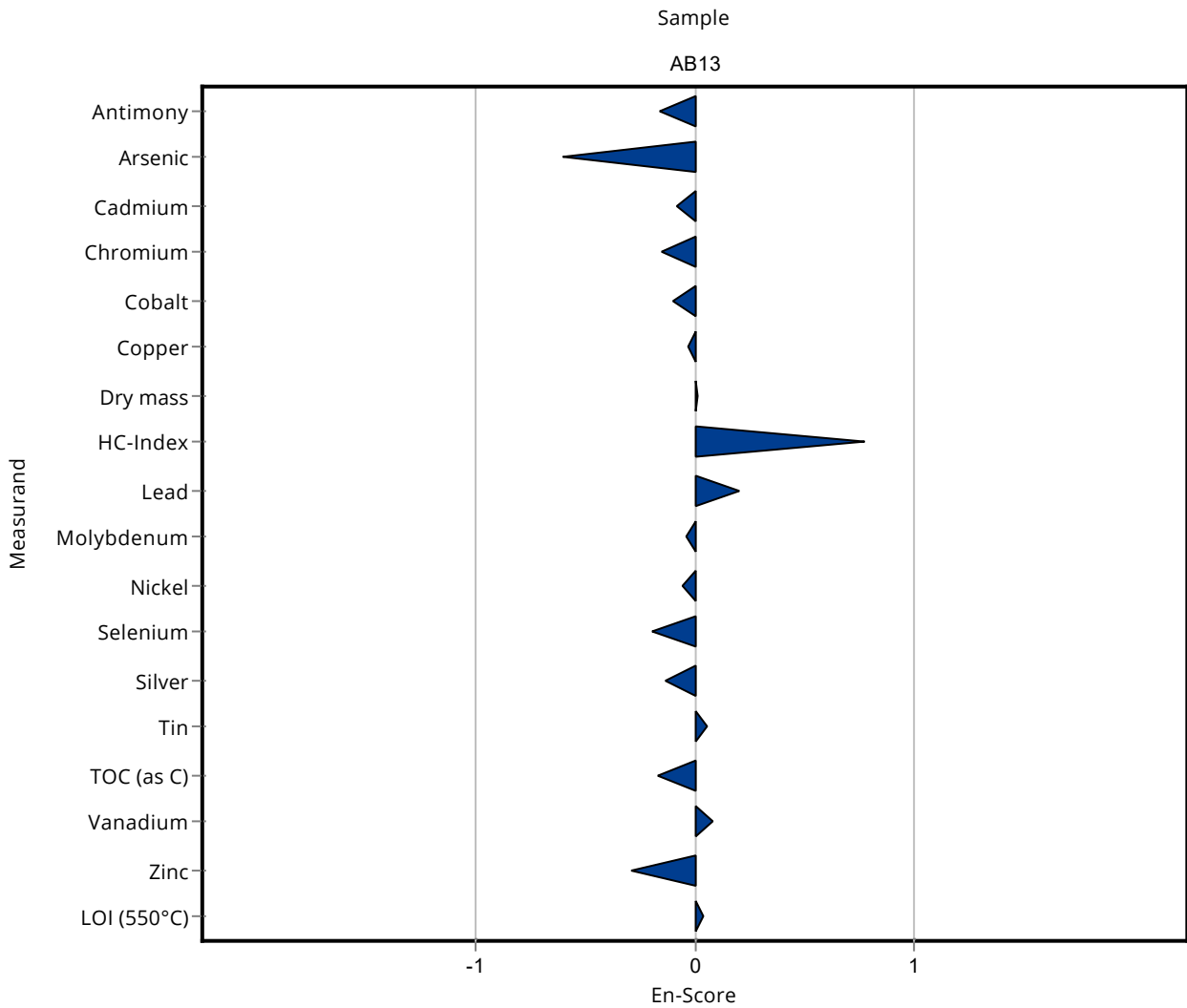


Summary of results Waste acc. to landfill directive (Austria) (total content) -
AB13 - En-Score

Labcode: LC0041

Sample: AB13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Antimony	mg/kg DM	92.9 ± 4.8	84.8 ± 25.44	13.9	91.3	-0.16
Arsenic	mg/kg DM	5.58 ± 0.298	4.49 ± 0.898	0.837	80.4	-0.60
Barium	mg/kg DM	8850 ± 1720	- ± -	3540	-	-
Benzo[a]pyrene	mg/kg DM	0.105 ± 0.0215	- ± -	0.0494	-	-
Cadmium	mg/kg DM	1.04 ± 0.0519	1.01 ± 0.202	0.156	96.9	-0.08
Chromium	mg/kg DM	522 ± 29.2	491 ± 98.2	78.3	94.1	-0.16
Cobalt	mg/kg DM	71.1 ± 5.14	67.2 ± 20.16	12.8	94.5	-0.10
Copper	mg/kg DM	2260 ± 43.6	2230 ± 446	226	98.9	-0.03
Dry mass	%	99.4 ± 0.0533	99.5 ± 4.975	0.497	100	0.01
HC-Index	mg/kg DM	1160 ± 157	1920 ± 480	407	165	0.78
Lead	mg/kg DM	165 ± 7.67	188 ± 56.4	21.5	114	0.20
Mercury	mg/kg DM	- ± -	<0.1 (LOQ) ± -	-	-	-
Molybdenum	mg/kg DM	159 ± 5.99	156 ± 39	15.9	98	-0.04
Nickel	mg/kg DM	490 ± 15.7	474 ± 142.2	49	96.8	-0.05
Selenium	mg/kg DM	1.25 ± 0.248	1.15 ± 0.23	0.414	91.7	-0.20
Silver	mg/kg DM	5.48 ± 0.345	5.06 ± 1.518	0.877	92.3	-0.14
Sum 16 PAH (acc. to EPA)	mg/kg DM	1.9 ± 0.278	- ± -	0.683	-	-
Tin	mg/kg DM	232 ± 12.3	240 ± 72	34.8	103	0.06
TOC (as C)	mg/kg DM	38100 ± 846	36200 ± 5430	3810	95.1	-0.17
Vanadium	mg/kg DM	106 ± 5.84	112 ± 33.6	16	105	0.08
Zinc	mg/kg DM	3820 ± 88.8	3420 ± 684	382	89.5	-0.29
TOC_(ON L1080)	% dm	3.8 ± 0.0949	- ± -	0.38	-	-
LOI (550°C)	% dm	4.8 ± 0.0789	4.84 ± 0.484	0.48	101	0.04



E9. Methodenübersicht / Overview of methods

LabCode	Sample	Silver	Arsenic	Cadmium	Chromium	Copper	Mercury
LC0001	AB13	EN 13657/EN ISO 17294-2	EN 13657/EN ISO 17294-2	EN 13657/EN ISO 17294-2	EN 13657/EN ISO 17294-2	EN 13657/EN ISO 17294-2	EN 13657/EN ISO 16772
LC0002	AB13	EN ISO 17294-2	EN ISO 17294-2	EN ISO 17294-2	EN ISO 17294-2	EN ISO 17294-2	EN ISO 16772
LC0003	AB13						
LC0004	AB13		EN 13657/EN ISO 11885	EN 13657/EN ISO 11885	EN 13657/EN ISO 11885	EN 13657/EN ISO 11885	EN 13657/EN ISO 12846
LC0005	AB13						
LC0006	AB13	EN 13657	EN 13657	EN 13657	EN 13657	EN 13657	EN ISO 12846
LC0007	AB13			EN ISO 11885	EN ISO 11885	EN ISO 11885	EN ISO 12846
LC0008	AB13	EN 13657/EN ISO 17294-2	EN 13657/EN ISO 17294-2	EN 13657/EN ISO 17294-2	EN 13657/EN ISO 17294-2	EN 13657/EN ISO 17294-2	EN ISO 12846
LC0009	AB13	EN 13657/ICP-MS	EN 13657/ICP-MS	EN 13657/ICP-MS	EN 13657/ICP-MS	EN 13657/ICP-MS	EN 13657/EN ISO 17852
LC0010	AB13						
LC0011	AB13						
LC0012	AB13	EN ISO 11885	EN ISO 11885	EN ISO 11885	EN ISO 11885	EN ISO 11885	EN ISO 11885
LC0013	AB13	EN ISO 22036	EN ISO 17294-2	EN ISO 17294-2	EN ISO 17294-2	EN ISO 17294-2	EN ISO 12846
LC0014	AB13	EN ISO 17294-2	EN ISO 17294-2	EN ISO 17294-2	EN ISO 17294-2	EN ISO 17294-2	EPA 7473
LC0015	AB13	EN 16170	EN 16170	EN 16170	EN 16170	EN 16170	EN ISO 12846
LC0016	AB13		EN ISO 22036	EN ISO 22036	EN ISO 22036	EN ISO 22036	EN ISO 12846
LC0017	AB13	EN ISO 11885	EN ISO 11885	EN ISO 11885	EN ISO 11885	EN ISO 11885	EN ISO 12846
LC0018	AB13						
LC0019	AB13	EN 16171	EN 16171	EN 16171	EN 16171	EN 16171	EN 16171
LC0020	AB13						
LC0021	AB13	EN 16171	EN 16171	EN 16171	EN 16171	EN 16171	EN 16175
LC0022	AB13	EN 16171	EN 16171	EN 16171	EN 16171	EN ISO 11885	EN 16171
LC0023	AB13	EN ISO 22036	EN ISO 22036	EN ISO 22036	EN ISO 22036	EN ISO 22036	EN ISO 12846
LC0024	AB13	EN 13657/EN ISO 11885	EN 13657/EN ISO 11885	EN 13657/EN ISO 11885	EN 13657/EN ISO 11885	EN 13657/EN ISO 11885	EN 13657/EN ISO 12846
LC0025	AB13	EN 13656/EN ISO 17294-2	EN 13656/EN ISO 17294-2	EN 13656/EN ISO 17294-2	EN 13656/EN ISO 17294-2	EN 13656/EN ISO 17294-2	EN 13656/EN ISO 17852
LC0026	AB13	EN ISO 17294-2	EN ISO 17294-2	EN ISO 17294-2	EN ISO 17294-2	EN ISO 11885	
LC0027	AB13	EN ISO 11885	EN ISO 11885	EN ISO 11885	EN ISO 11885	EN ISO 11885	EN ISO 12846
LC0028	AB13	EN ISO 11885	EN ISO 11885	EN ISO 11885	EN ISO 11885	EN ISO 11885	EN ISO 12846
LC0029	AB13						
LC0030	AB13	EN 13657/EN ISO 11885	EN 13657/EN ISO 11885	EN 13657/EN ISO 11885	EN 13657/EN ISO 11885	EN 13657/EN ISO 11885	EN 13657/EN ISO 11885
LC0031	AB13	EN ISO 11885	EN ISO 11885	EN ISO 11885	EN ISO 11885	EN ISO 11885	EN ISO 12846
LC0032	AB13						
LC0033	AB13	EN ISO 17294-2	EN ISO 17294-2	EN ISO 17294-2	EN ISO 17294-2	EN ISO 17294-2	EN ISO 17294-2
LC0034	AB13		EN 13657/EN ISO 11885	EN 13657/EN ISO 11885	EN 13657/EN ISO 11885	EN 13657/EN ISO 11885	EN 13657/EN ISO 12846
LC0035	AB13		EN ISO 11969	EN ISO 5961	EN ISO 15586		EN 1483
LC0036	AB13	EN 13657/EN ISO 17294-2	EN 13657/EN ISO 17294-2	EN 13657/EN ISO 17294-2	EN 13657/EN ISO 17294-2	EN 13657/EN ISO 17294-2	EN 13657/EN ISO 16772
LC0037	AB13	EN ISO 11885	EN ISO 17294-2	EN ISO 17294-2	EN ISO 11885	EN ISO 11885	EN ISO 12846

LabCode	Sample	Silver	Arsenic	Cadmium	Chromium	Copper	Mercury
LC0038	AB13	EN ISO 11885	EN ISO 11885	EN ISO 11885	EN ISO 11885	EN ISO 11885	EN ISO 11885
LC0039	AB13		EN 13657/EN ISO 17294-2	EN 13657/EN ISO 17294-2	EN 13657/EN ISO 17294-2	EN 13657/EN ISO 17294-2	EN 13657/EN ISO 17294-2
LC0040	AB13	EN ISO 22036	EN ISO 22036	EN ISO 22036	EN ISO 22036	EN ISO 22036	EN ISO 17852
LC0041	AB13	EN ISO 17294-2	EN ISO 17294-2	EN ISO 17294-2	EN ISO 17294-2	EN ISO 17294-2	EN ISO 12846

LabCode	Sample	Nickel	Lead	Selenium	Zinc	Benzo[a]pyrene	HC -Index
LC0001	AB13	EN 13657/EN ISO 17294-2	EN 13657/EN ISO 17294-2	EN 13657/EN ISO 17294-2	EN 13657/EN ISO 17294-2	ISO 18287	EN 14039
LC0002	AB13	EN ISO 17294-2	EN ISO 17294-2	EN ISO 17294-2	EN ISO 17294-2		EN 14039
LC0003	AB13					ISO 18287	EN 14039
LC0004	AB13	EN 13657/EN ISO 11885	EN 13657/EN ISO 11885		EN 13657/EN ISO 11885	ISO 18287	EN 14039
LC0005	AB13					ISO 18287	EN 14039
LC0006	AB13	EN 13657	EN 13657	EN 13657	EN 13657	ÖN L 1200	EN 14039
LC0007	AB13	EN ISO 11885	EN ISO 11885		EN ISO 11885	ISO 18287	EN 14039
LC0008	AB13	EN 13657/EN ISO 17294-2	EN 13657/EN ISO 17294-2	EN 13657/EN ISO 17294-2	EN 13657/EN ISO 17294-2	ISO 18287	EN 14039
LC0009	AB13	EN 13657/ICP-MS	EN 13657/ICP-MS	EN 13657/ICP-MS	EN 13657/ICP-MS	ISO 18287	EN 14039
LC0010	AB13						
LC0011	AB13					EN 16181	EN 14039
LC0012	AB13	EN ISO 11885	EN ISO 11885	EN ISO 11885	EN ISO 11885	ISO 18287	EN 14039
LC0013	AB13	EN ISO 17294-2	EN ISO 17294-2	EN ISO 17294-2	EN ISO 17294-2	ISO 18287	EN 14039
LC0014	AB13	EN ISO 17294-2	EN ISO 17294-2	EN ISO 17294-2	EN ISO 17294-2		
LC0015	AB13	EN 16170	EN 16170	EN 16171	EN 16170	ISO 18287	EN 14039
LC0016	AB13	EN ISO 22036	EN ISO 22036		EN ISO 22036	ISO 18287	
LC0017	AB13	EN ISO 11885	EN ISO 11885	EN ISO 11885	EN ISO 11885	EN 16181	EN 14039
LC0018	AB13						
LC0019	AB13	EN 16171	EN 16171	EN 16171	EN 16171	EN 16181	EN 14039
LC0020	AB13						
LC0021	AB13	EN 16171	EN 16171	EN 16171	EN 16171	ISO 18287	EN 14039
LC0022	AB13	EN ISO 11885	EN 16171		EN ISO 11885	EN 17503	ISO 16703
LC0023	AB13	EN ISO 22036	EN ISO 22036	EN ISO 22036	EN ISO 22036	ISO 18287	
LC0024	AB13	EN 13657/EN ISO 11885	EN 13657/EN ISO 11885	EN 13657/EN ISO 11885	EN 13657/EN ISO 11885		
LC0025	AB13	EN 13656/EN ISO 17294-2	EN 13656/EN ISO 17294-2	EN 13656/EN ISO 17294-2	EN 13656/EN ISO 17294-2		
LC0026	AB13	EN ISO 17294-2	EN ISO 17294-2	EN ISO 17294-2	EN ISO 17294-2		
LC0027	AB13	EN ISO 11885	EN ISO 11885	EN ISO 11885	EN ISO 11885	EN 17503	EN 14039
LC0028	AB13	EN ISO 11885	EN ISO 11885	EN ISO 11885	EN ISO 11885	EN 15527	EN 14039
LC0029	AB13						EN ISO 9377
LC0030	AB13	EN 13657/EN ISO 11885	EN 13657/EN ISO 11885	EN 13657/EN ISO 11885	EN 13657/EN ISO 11885		EN 14039
LC0031	AB13	EN ISO 11885	EN ISO 11885	EN ISO 11885	EN ISO 11885		
LC0032	AB13						
LC0033	AB13	EN ISO 17294-2	EN ISO 17294-2	EN ISO 17294-2	EN ISO 17294-2		
LC0034	AB13	EN 13657/EN ISO 11885	EN 13657/EN ISO 11885		EN 13657/EN ISO 11885		EN 14039
LC0035	AB13	DIN 38406	DIN 38406-6		DIN 38406-8		
LC0036	AB13	EN 13657/EN ISO 17294-2	EN 13657/EN ISO 17294-2	EN 13657/EN ISO 17294-2	EN 13657/EN ISO 17294-2		
LC0037	AB13	EN ISO 11885	EN ISO 17294-2	EN ISO 17294-2	EN ISO 11885	EN 15527	EN 14039
LC0038	AB13	EN ISO 11885	EN ISO 11885	EN ISO 11885	EN ISO 11885	ÖN L 1200	EN 14039
LC0039	AB13	EN 13657/EN ISO 17294-2	EN 13657/EN ISO 17294-2		EN 13657/EN ISO 17294-2	ISO 18287	

LabCode	Sample	Nickel	Lead	Selenium	Zinc	Benzo[a]pyrene	HC -Index
LC0040	AB13	EN ISO 22036	EN ISO 22036	EN ISO 22036	EN ISO 22036	ISO 18287	EN 14039
LC0041	AB13	EN ISO 17294-2	EN ISO 17294-2	EN ISO 17294-2	EN ISO 17294-2		EN 14039

LabCode	Sample	Antimony	Sum 16 PAH (acc. to EPA)	TOC (as C)	Barium	Cobalt	Molybdenum
LC0001	AB13	EN 13657/EN ISO 17294-2	ISO 18287	EN 13137	EN 13657/EN ISO 17294-2	EN 13657/EN ISO 17294-2	EN 13657/EN ISO 17294-2
LC0002	AB13	EN ISO 22036		EN 15936	EN ISO 17294-2	EN ISO 17294-2	EN ISO 17294-2
LC0003	AB13		ISO 18287	EN 13137			
LC0004	AB13		ISO 18287	EN 13137		EN 13657/EN ISO 11885	EN 13657/EN ISO 11885
LC0005	AB13		ISO 18287				
LC0006	AB13	EN 13657	ÖN L 1200	EN 13137	EN 13657	EN 13657	EN 13657
LC0007	AB13		ISO 18287	EN 15936			
LC0008	AB13	EN 13657/EN ISO 17294-2	ISO 18287	EN 15936	EN 13657/EN ISO 17294-2	EN 13657/EN ISO 17294-2	EN 13657/EN ISO 17294-2
LC0009	AB13	EN 13657/ICP-MS	ISO 18287	EN 15936	EN 13657/ICP-MS	EN 13657/ICP-MS	EN 13657/ICP-MS
LC0010	AB13			EN 13137			
LC0011	AB13		EN 16181				
LC0012	AB13	EN ISO 11885	ISO 18287	EN 15936	EN ISO 11885	EN ISO 11885	EN ISO 11885
LC0013	AB13	EN ISO 17294-2	ISO 18287	EN 15936	EN ISO 22036	EN ISO 17294-2	EN ISO 17294-2
LC0014	AB13	EN ISO 17294-2			EN ISO 17294-2	EN ISO 17294-2	EN ISO 17294-2
LC0015	AB13	EN 16171	ISO 18287	EN 15936	EN 16170	EN 16170	EN 16170
LC0016	AB13		ISO 18287	EN 15936			
LC0017	AB13	EN ISO 11885	EN 16181		EN ISO 11885	EN ISO 11885	EN ISO 11885
LC0018	AB13						
LC0019	AB13	EN 16171	EN 16181	EN 15936	EN 16171	EN 16171	EN 16171
LC0020	AB13						
LC0021	AB13	EN 16171	ISO 18287	EN 13137	EN 16171	EN 16171	EN 16171
LC0022	AB13	EN 16171	EN 17503		EN ISO 11885	EN 16171	EN 16171
LC0023	AB13	EN ISO 22036	ISO 18287	EN 15936	EN ISO 22036	EN ISO 22036	EN ISO 22036
LC0024	AB13	EN 13657/EN ISO 11885		EN 15936	EN 13657/EN ISO 11885	EN 13657/EN ISO 11885	EN 13657/EN ISO 11885
LC0025	AB13	EN 13656/EN ISO 17294-2		EN 15936	EN 13656/EN ISO 17294-2	EN 13656/EN ISO 17294-2	EN 13656/EN ISO 17294-2
LC0026	AB13	EN ISO 17294-2		EN 15936			
LC0027	AB13	EN ISO 11885	EN 17503	DIN 19539		EN ISO 11885	EN ISO 11885
LC0028	AB13	EN ISO 11885	EN 15527	EN 15936	EN ISO 11885	EN ISO 11885	EN ISO 11885
LC0029	AB13						
LC0030	AB13	EN 13657/EN ISO 11885		EN 15936	EN 13657/EN ISO 11885	EN 13657/EN ISO 11885	EN 13657/EN ISO 11885
LC0031	AB13	EN ISO 11885		EN 15936	EN ISO 11885	EN ISO 11885	EN ISO 11885
LC0032	AB13						
LC0033	AB13	EN ISO 17294-2				EN ISO 17294-2	EN ISO 17294-2
LC0034	AB13	EN 13657/EN ISO 11885		EN 13137		EN 13657/EN ISO 11885	
LC0035	AB13	DIN 38405-32				DIN 38406	
LC0036	AB13	EN 13657/EN ISO 17294-2		EN 15936	EN 13657/EN ISO 17294-2	EN 13657/EN ISO 17294-2	EN 13657/EN ISO 17294-2
LC0037	AB13	EN ISO 17294-2	EN 15527	EN 15936	EN ISO 11885	EN ISO 11885	EN ISO 11885
LC0038	AB13	EN ISO 11885	ÖN L 1200	EN 15936	EN ISO 11885	EN ISO 11885	EN ISO 11885
LC0039	AB13		ISO 18287				

LabCode	Sample	Antimony	Sum 16 PAH (acc. to EPA)	TOC (as C)	Barium	Cobalt	Molybdenum
LC0040	AB13	EN ISO 22036	ISO 18287	EN 13137	EN ISO 22036	EN ISO 22036	EN ISO 22036
LC0041	AB13	EN ISO 17294-2		EN 15936		EN ISO 17294-2	EN ISO 17294-2

LabCode	Sample	Vanadium	Tin	Dry mass	TOC_(ON L1080)	LOI (550°C)
LC0001	AB13	EN 13657/EN ISO 17294-2	EN 13657/EN ISO 17294-2	ISO 11465		EN 15169
LC0002	AB13	EN ISO 17294-2	EN ISO 17294-2	EN 14346		EN 15169
LC0003	AB13			EN 14346		EN 15169
LC0004	AB13	EN 13657/EN ISO 11885		EN 14346		EN 15169
LC0005	AB13			EN 14346		EN 15169
LC0006	AB13	EN 13657	EN 13657	EN 14346		EN 12879
LC0007	AB13			EN 14346		EN 15169
LC0008	AB13	EN 13657/EN ISO 17294-2	EN 13657/EN ISO 17294-2	EN 14346		EN 15169
LC0009	AB13	EN 13657/ICP-MS	EN 13657/ICP-MS	DIN 51718		EN 15169
LC0010	AB13			EN 12880		EN 12879
LC0011	AB13			EN 14346		EN 15935
LC0012	AB13	EN ISO 11885	EN ISO 11885	EN 14346	DIN 19539	EN 15935
LC0013	AB13	EN ISO 17294-2	EN 16171	EN 14346	ÖN L 1080	EN 15169
LC0014	AB13	EN ISO 17294-2	EN ISO 17294-2	EN 14775		EN 14775
LC0015	AB13	EN 16170	EN 16170	EN 14346		EN 15935
LC0016	AB13			EN 14346		EN 15169
LC0017	AB13	EN ISO 11885	EN ISO 11885	EN 14346		EN 15169
LC0018	AB13			EN 15934		EN 15935
LC0019	AB13	EN 16171	EN 16171	EN 14346	ÖN L 1080	EN 15935
LC0020	AB13					
LC0021	AB13	EN 16171	EN 16171	EN 14346	ÖN L 1080	EN 15169
LC0022	AB13	EN 16171	EN 16171	EN 15934	ÖN L 1080	EN 15935
LC0023	AB13	EN ISO 22036	EN ISO 22036	EN 14346		EN 15169
LC0024	AB13	EN 13657/EN ISO 11885	EN 13657/EN ISO 11885	EN 14346		EN 15169
LC0025	AB13	EN 13656/EN ISO 17294-2	EN 13656/EN ISO 17294-2		DIN 19539	EN 15935
LC0026	AB13	EN ISO 17294-2		EN 15934		EN 15935
LC0027	AB13	EN ISO 11885	EN ISO 11885	EN 14346		EN 15935
LC0028	AB13	EN ISO 11885	EN ISO 11885	EN 14346		EN 15935
LC0029	AB13			ISO 11465		EN 15169
LC0030	AB13	EN 13657/EN ISO 11885	EN 13657/EN ISO 11885	EN 14346		EN 15169
LC0031	AB13	EN ISO 11885	EN ISO 11885	EN 14346	ÖN L 1080	EN 15935
LC0032	AB13			EN 15934		EN 15935
LC0033	AB13	EN ISO 17294-2	EN ISO 17294-2	EN 14346		
LC0034	AB13	EN 13657/EN ISO 11885	EN 13657/EN ISO 11885	EN 14346		EN 15169
LC0035	AB13					DIN 38414
LC0036	AB13	EN 13657/EN ISO 17294-2	EN 13657/EN ISO 17294-2	EN 14346	ÖN L 1080	EN 15935
LC0037	AB13	EN ISO 11885	EN ISO 11885	EN 14346	ÖN L 1080	EN 15935
LC0038	AB13	EN ISO 11885	EN ISO 11885	EN 14346	ÖN L 1080	EN 12879
LC0039	AB13			EN 14346		EN 15169

LabCode	Sample	Vanadium	Tin	Dry mass	TOC_(ON L1080)	LOI (550°C)
LC0040	AB13	EN ISO 22036	EN ISO 22036	EN 15934		EN 15169
LC0041	AB13	EN ISO 17294-2	EN ISO 17294-2	EN 14346		EN 15169