umweltbundesamt
ENVIRONMENT AGENCY AUSTRIA

Proficiency Testing Scheme für die Wasseranalytik - Realproben

M160 Metalle und Spurenelemente

Proficiency Testing Scheme for Water Analysis - natural water samples

M160 Metals and trace elements

BERICHT / REPORT

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D1. Beschreibung des Ringversuchs

D1.1. Ausgestaltung und Durchführung

- Anzahl der Anmeldungen: 44
- Anzahl der übermittelten Datensätze: 42
- Probenversand: 29.03.2022
- Einsendeschluss der Daten: 26.04.2022

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

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

D1.2. Beschreibung der Prüfgegenstände

Die Probenahme von Grundwasser und Oberflächenwasser erfolgte am 25.03.2022 Das Probenmaterial umfasste:

- 1 Probe Grundwasser (M160 A)
- 1 Probe Oberflächenwasser (M160 B)

Alle Proben wurden über 0,45 µm Membranfilter filtriert und anschließend bis zur weiteren Verarbeitung gekühlt gelagert (4 +/- 3°C). Die o.a. Proben wurden zusätzlich mit einzelnen Substanzen dotiert.

Das Abfüllen der Proben erfolgte unter ständigem Rühren (Rührkessel). Die Proben wurden mit 1 % HNO_3 bzw. 1 % HCl (nur Abfüllung für Parameter Hg) stabilisiert.

Die homogenen Prüfgegenstände wurden am 29.03.2022 verschickt.

Jedes Teilnehmerlabor erhielt:

- 2 Proben zu je ca. 350 ml, abgefüllt in je 1 x 250 ml LDPE-Flasche und 1 x 100 ml LDPE-Flasche (für Hg).

D1.3. Anweisungen für die Teilnehmenden

Aus Stabilitätsgründen wurde empfohlen bis spätestens 06.04.2022 mit den Analysen zu beginnen.

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

D1.4. Kontrollanalytik zur Bewertung der Homogenität

Im Zuge der Abfüllung wurden zu willkürlichen Zeitpunkten mehrere Aliquote pro Probe zur Kontrollanalytik entnommen.
Es wurden für die A- bzw. B-Probe jeweils n=5 Kontrollproben sowie n=1 undotierte Realprobe dem Labor zur Analyse übergeben.

Alle Parameter wurden in der Prüfstelle am Umweltbundesamt (Prüfstelle für Umwelt- , GVO- & Treibstoffanalytik) zeitnah zum Probenversand analysiert.

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 parameterorientieren Auswertung (E7) in Form von Mittelwerten ± Messunsicherheit als Kontrollwert (control test value) ± U gelistet (jeweils angegeben als erweiterte Messunsicherheit, k=2).

D1.5. Trendtest zur Bewertung der Stabilität

Die Bewertung der Stabilität der Prüfgegenstände (Realproben) erfolgte auf Basis der Datenstatistik aus den vergangenen Runden für Realproben im Zeitraum 2013 bis 2021.

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 26.04.2022 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 eingestuften 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, nummerischen Ergebnissen pro Parameter. Ergebnisse kleiner Bestimmungs- oder Nachweisgrenze wurden bei den Berechnungen nicht berücksichtigt.

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

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

Vorgehensweise wird bei Anwendung jeweils parameter- und probenbezogen unter Punkt D4 des Berichts dokumentiert.

D2. Kriterien der Leistungsbewertung

D2.1. Leistungskriterium z-Score

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

Die Ermittlung der z-Scores erfolgte gemäß nachfolgender Formel:

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

Dabei ist:

x_i	Messergebnis des teilnehmenden Labors
$\overline{X}$	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.
Kriterium	Vergleichsstandardabweichung berechnet aus den Statistiken für reale Wasserproben der vorangegangenen Runden im Zeitraum 2013 bis 2021 (RSDpooled) bzw. aus den ausreißerbereinigten Ergebnissen der Teilnehmenden (sR) des aktuellen Ringversuchs (falls noch weniger als 6 vorangegangene Runden für A und B-Proben vorlagen). In begründeten Fällen (z.B. Ergebnisse Realproben nahe an Mindestbestimmungsgrenze oder regulatorischer Vorgaben) erfolgt die Festlegung nach Expertenbefund und die Vorgangsweise wird unter Punkt D4 des Berichts beschrieben.

D2.2. Leistungskriterium E_n-Score

Für die realen Wasserproben erfolgen seit 2019 zusätzliche Bewertungen unter Einbeziehung der erweiterten Messunsicherheiten der 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
$\overline{X}$	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-Score| ≤ 2.0 Ergebnis gut
- 2.0 < |z-Score| < 3.0 Ergebnis fragwürdig
- |z-Score| ≥ 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-Score| ≤ 1.0 zufriedenstellende Leistung
- |E_n-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-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 (± 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 laborientierten Auswertung werden pro Labor in anonymisierter Form die Ergebnisse der einzelnen Labore als Messergebnis ± 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 laborientierten Auswertungen enthalten jeweils die Bewertungsgrundlagen wie zugewiesener Wert samt erweiterter Messunsicherheit sowie das Kriterium.

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

D4. Anmerkungen zur Auswertung

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

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

Als Ergebnis einer Langzeitauswertung über aktuell 9 Eignungsprüfungsrunden (2013–2021) in Realproben wurden Kriterien (RSDpool) zur Ergebnisbewertung berechnet. Diese wurden im Zuge der Auswertung den relativen Vergleichs-standardabweichungen (vR) des aktuellen Ringversuchs gegenübergestellt.

Bei allen Parametern erfolgt die Berechnung der Scores nach D2.

D5. Erläuterung zu Tabellen und Grafiken

D5.1. Angaben und Abkürzungen in Tabellen

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

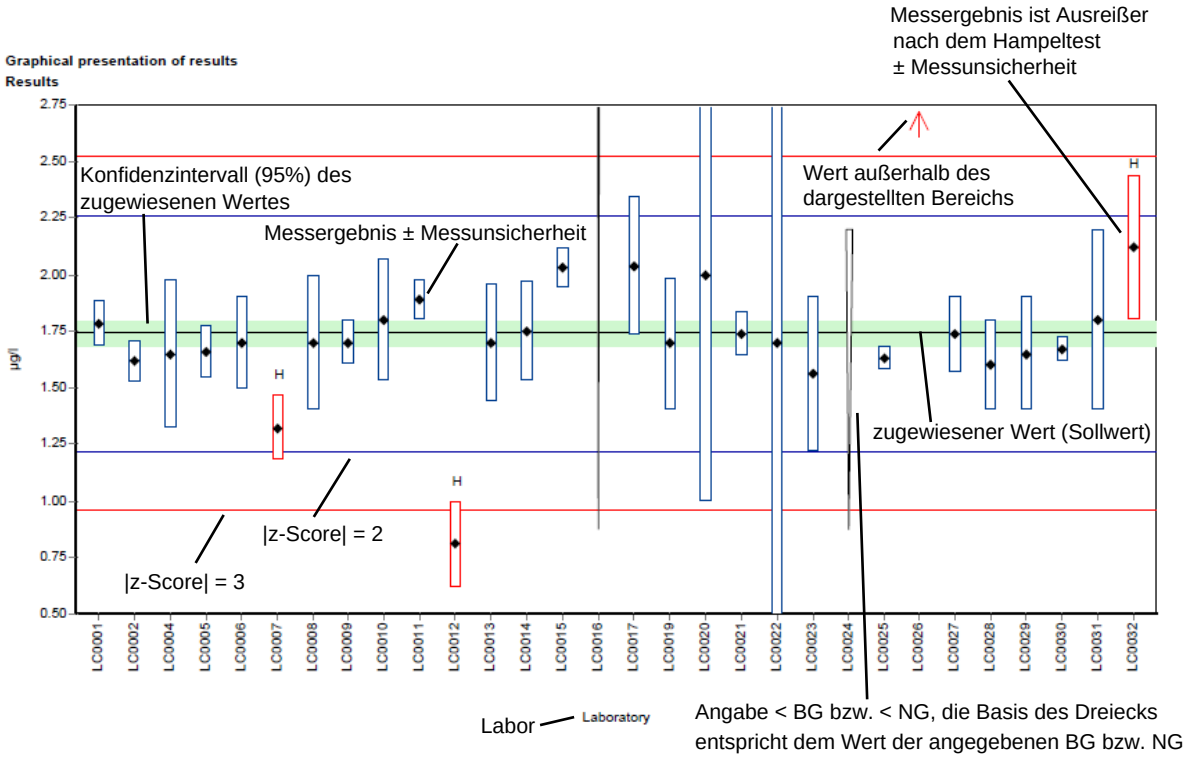
	dargestellt). Bei Eignungsprüfungsrunden mit Vorgabe von unabhängigen Mehrfachbestimmungen, entspricht dies dem berechneten Mittelwert aus den einzelnen Messwerten der Teilnehmenden.
± U	kombinierte Messunsicherheit ohne Erweiterungsfaktor (k=1) lt. Angabe der Teilnehmenden (maximal 5 Nachkommastellen 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
**	Kennzeichnung für Parameter außerhalb der Akkreditierung gemäß EN ISO/IEC 17043

D5.2. Graphische Darstellung der Ergebnisse

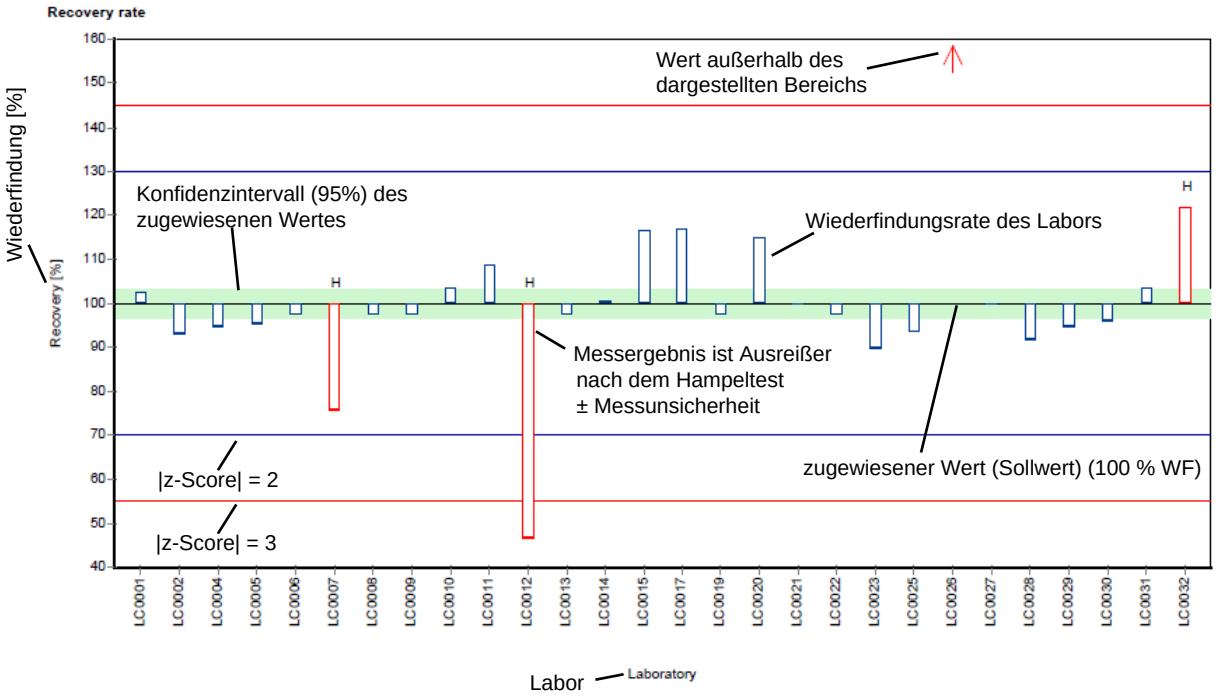
Nachfolgend wird die graphische Darstellung anhand von kommentierten Beispieldiagrammen erläutert.

Beispieldiagramm: Messwerte



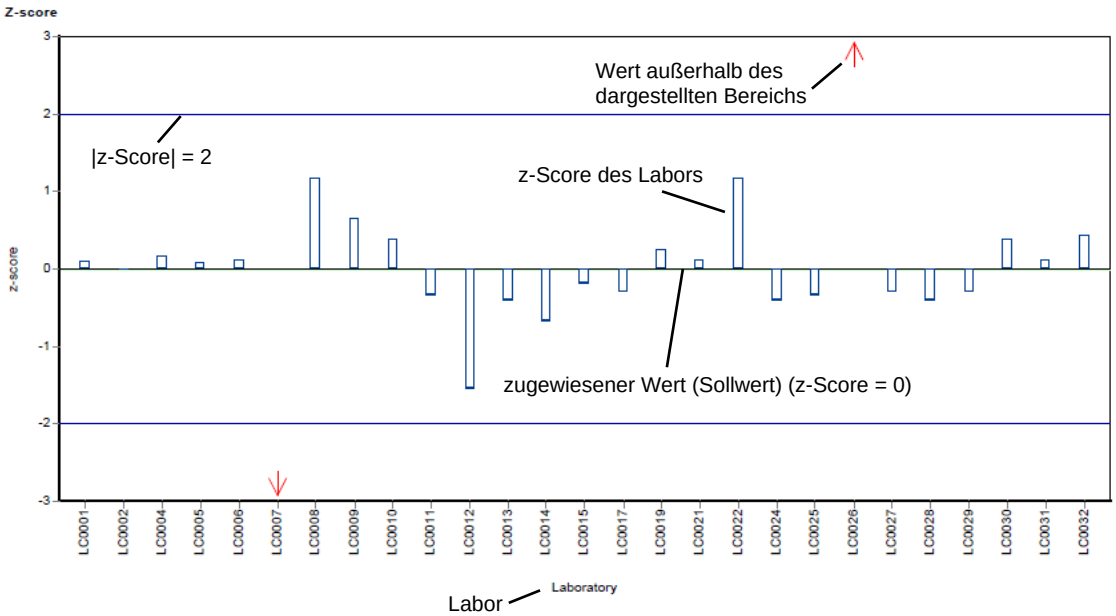
Unterschiedliche Analysenmethoden werden mit unterschiedlichen Farben kenntlich gemacht.

Beispieldiagramm: Wiederfindung zum zugewiesenen Wert



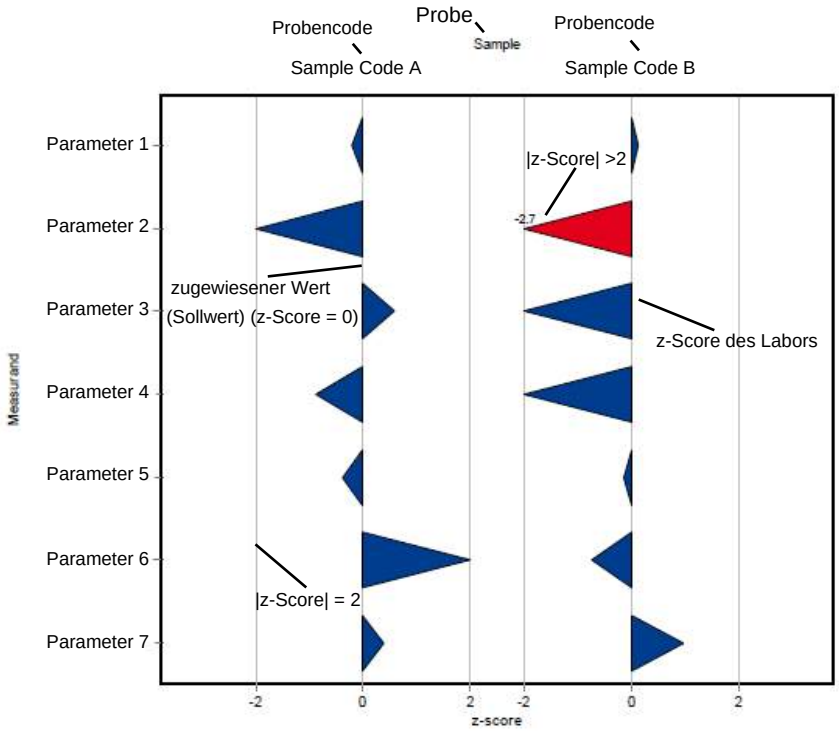
Unterschiedliche Analysenmethoden werden mit unterschiedlichen Farben kenntlich gemacht.

Beispieldiagramm: z-Score

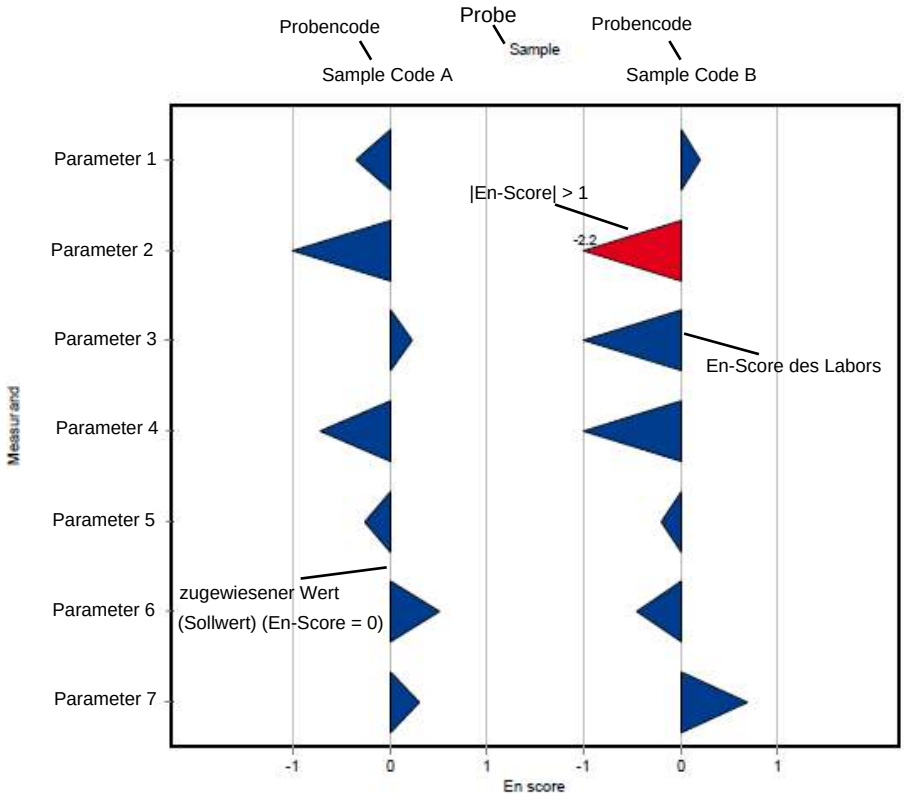


Unterschiedliche Analysenmethoden werden mit unterschiedlichen Farben kenntlich gemacht.

Beispieldiagramm: z-Score (laborientierte Auswertung)



Beispieldiagramm: En-Score (laborientierte Auswertung)



D6. Zusammenfassung

D6.1. Tabelle der zugewiesenen Werte

Parameter	Probe	Einheit	zugewiesener Wert	±	U (k=2)	Kriterium	Kriterium [%]
Aluminium	M160 A	µg/l	36.3	±	1.04	5.45	15
	M160 B	µg/l	105	±	2.25	15.8	15
Arsen	M160 A	µg/l	2.34	±	0.0752	0.304	13
	M160 B	µg/l	5.66	±	0.136	0.736	13
Cadmium	M160 A	µg/l	0.517	±	0.0112	0.0517	10
	M160 B	µg/l	3.67	±	0.0564	0.367	10
Chrom	M160 A	µg/l	3.8	±	0.0928	0.323	8.5
	M160 B	µg/l	2.21	±	0.0559	0.188	8.5
Kupfer	M160 A	µg/l	9.22	±	0.241	0.829	9
	M160 B	µg/l	60.4	±	0.94	5.44	9
Eisen	M160 A	µg/l	54	±	1.38	5.94	11
	M160 B	µg/l	113	±	1.78	12.4	11
Blei	M160 A	µg/l	2.21	±	0.0437	0.332	15
	M160 B	µg/l	2.69	±	0.0583	0.403	15
Mangan	M160 A	µg/l	30.1	±	0.599	2.17	7.2
	M160 B	µg/l	20.7	±	0.331	1.49	7.2
Quecksilber	M160 A Hg	µg/l	0.944	±	0.0244	0.132	14
	M160 B Hg	µg/l	1.2	±	0.0214	0.168	14
Nickel	M160 A	µg/l	5.18	±	0.152	0.622	12
	M160 B	µg/l	15.3	±	0.317	1.83	12
Selen	M160 A	µg/l	2.19	±	0.0565	0.262	12
	M160 B	µg/l	5.28	±	0.126	0.634	12
Uran	M160 A	µg/l	3.49	±	0.113	0.231	6.6
	M160 B	µg/l	1.72	±	0.0429	0.113	6.6
Zink	M160 A	µg/l	88.5	±	1.55	7.97	9
	M160 B	µg/l	138	±	1.77	12.4	9

D6.2. Zusammenfassung der ausreißerbereinigten Ringversuchsergebnisse

Parameter	Probe	Anzahl Labors für Berechnung	Anzahl Ausreißer Labors	Einheit	Mittelwert	±	VB (99%)	Minimum	Maximum	sR	vR [%]
Aluminium	M160 A	34	6	µg/l	36.3	±	1.57	29.3	42.5	3.05	8.4
	M160 B	38	2	µg/l	105	±	3.38	92.6	119	6.94	6.6
Arsen	M160 A	32	4	µg/l	2.34	±	0.113	2.03	2.9	0.213	9.1
	M160 B	35	2	µg/l	5.66	±	0.203	4.51	6.41	0.401	7.1
Cadmium	M160 A	35	3	µg/l	0.517	±	0.0168	0.437	0.6	0.0331	6.4
	M160 B	38	1	µg/l	3.67	±	0.0846	3.29	4.04	0.174	4.7
Chrom	M160 A	31	6	µg/l	3.8	±	0.139	3.27	4.5	0.258	6.8
	M160 B	35	2	µg/l	2.21	±	0.0838	1.84	2.64	0.165	7.5
Kupfer	M160 A	35	4	µg/l	9.22	±	0.362	8.04	10.9	0.714	7.7
	M160 B	36	4	µg/l	60.4	±	1.41	54.9	66.9	2.82	4.7
Eisen	M160 A	34	6	µg/l	54	±	2.06	48	63.1	4.01	7.4
	M160 B	38	2	µg/l	113	±	2.68	102	125	5.5	4.9
Blei	M160 A	34	4	µg/l	2.21	±	0.0655	1.89	2.5	0.127	5.8
	M160 B	35	3	µg/l	2.69	±	0.0875	2.26	2.98	0.172	6.4
Mangan	M160 A	39	1	µg/l	30.1	±	0.899	26.3	33.5	1.87	6.2
	M160 B	39	1	µg/l	20.7	±	0.496	18.5	23	1.03	5
Quecksilber	M160 A Hg	28	3	µg/l	0.944	±	0.0366	0.763	1.1	0.0646	6.8
	M160 B Hg	23	8	µg/l	1.2	±	0.0321	1.1	1.33	0.0513	4.3
Nickel	M160 A	35	2	µg/l	5.18	±	0.228	4.21	6.26	0.449	8.7
	M160 B	36	1	µg/l	15.3	±	0.476	12.8	16.8	0.951	6.2
Selen	M160 A	28	3	µg/l	2.19	±	0.0847	1.88	2.6	0.149	6.8
	M160 B	32	2	µg/l	5.28	±	0.189	4.65	6.11	0.356	6.7
Uran	M160 A	28	1	µg/l	3.49	±	0.17	2.81	4.03	0.3	8.6
	M160 B	27	2	µg/l	1.72	±	0.0643	1.42	1.88	0.111	6.5
Zink	M160 A	37	3	µg/l	88.5	±	2.32	78.9	99.3	4.71	5.3
	M160 B	35	5	µg/l	138	±	2.65	124	148	5.22	3.8

E1. Description of the proficiency test

E1.1. Design and implementation

- Number of registrations: 44
- Number of submitted data records: 42
- Dispatch of samples: 29th March 2022
- Closing date for submission of data: 26th April 2022

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

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

E1.2. Description of the proficiency test items

The sampling of ground water and surface water were both carried out on 25th March 2022.

The following samples were made available

- 1 sample ground water (M160 A)
- 1 sample surface water (M160 B)

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

The samples were filled into bottles under continuous stirring (stirring vessel) and stabilized by addition of 1 % HNO_3 and 1 % HCl (for Hg only), respectively.

The homogeneous proficiency test items were dispatched on 29th March 2022.

Each participant received:

- 2 samples each 350 ml, filled in 1 x 250 ml LDPE bottle and 1 x 100 ml LDPE bottle (for Hg) respectively.

E1.3. Instructions for the participants

For reasons of stability, it was recommended to start the analysis by the 6th April 2022 at the latest.

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

E1.4. Control testing for homogeneity evaluation

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

All parameters were tested in the testing laboratory at Environment Agency Austria (Prüfstelle für Umwelt-, GVO- & Treibstoffanalytik) close to the time of sample dispatch.

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

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

E1.5. Trend test for stability evaluation

The evaluation of stability of the proficiency test items was performed using the data statistics of the results of previous proficiency testing rounds for real water samples of the period from 2013 to 2021.

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

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

According to data obtained from previous rounds for real water samples from 2013 to 2021 and based on the trend test evaluation of the current round, the stability of the

test items for proficiency testing of real water samples can be confirmed for the recommended analysis period until deadline for submission of data.

E1.6. Determination of the assigned values

The analytical results had to be made available to the organiser not later than 26th April 2022. Any values received at a later date were not considered.

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

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

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

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

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

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

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

E2. Criteria of performance evaluation

E2.1. Performance criterion z-Score

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

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

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

In this context,

x_i	is the measurement value (result) of the participating laboratory;
$\overline{X}$	assigned value the target value for the assessment of the performance of the participants (3 significant digits), normally the average value of the participants' results after removal of outliers; if this approach is not applicable, the target value is assigned according to the procedure given in section E4
Criteria	is the reproducibility standard deviation calculated from previous rounds for proficiency testing for real water samples from 2013 to 2021 (as RSD pooled) or from the participants' results after removal of outliers (sR) in the current round (if less than 6 previous rounds for the parameters of real water samples A and B are available). Where justified (e.g. results for real water samples are close to minimum quantification limit or in case of regulatory requirements) the criteria is defined by expert judgement and the procedure is clearly described in section E4 of the report.

E2.2. Performance criterion E_n-Score

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

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

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

In this context,

x_i is the measurement value (result) of the participating laboratory

$\overline{X}$ 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-Score| ≤ 2.0 good result
- 2.0 < |z-Score| < 3.0 questionable result
- |z-Score| ≥ 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-Score| ≤ 1.0 satisfactory performance
- |E_n-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. IE_n-ScoreI > 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 (± 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 (± U), recovery rates, z-Scores and additionally evaluation of E_n-Scores on separate pages.

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

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

E4. Explanatory notes

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

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

As a result of a long-term evaluation of 9 proficiency testing rounds (2013–2021 in real samples, evaluation criteria (RSDpool) were calculated.

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

Scores for all listed parameters were calculated according to E2.

E5. Annotations on tables and charts

E5.1. Information and abbreviations in tables

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

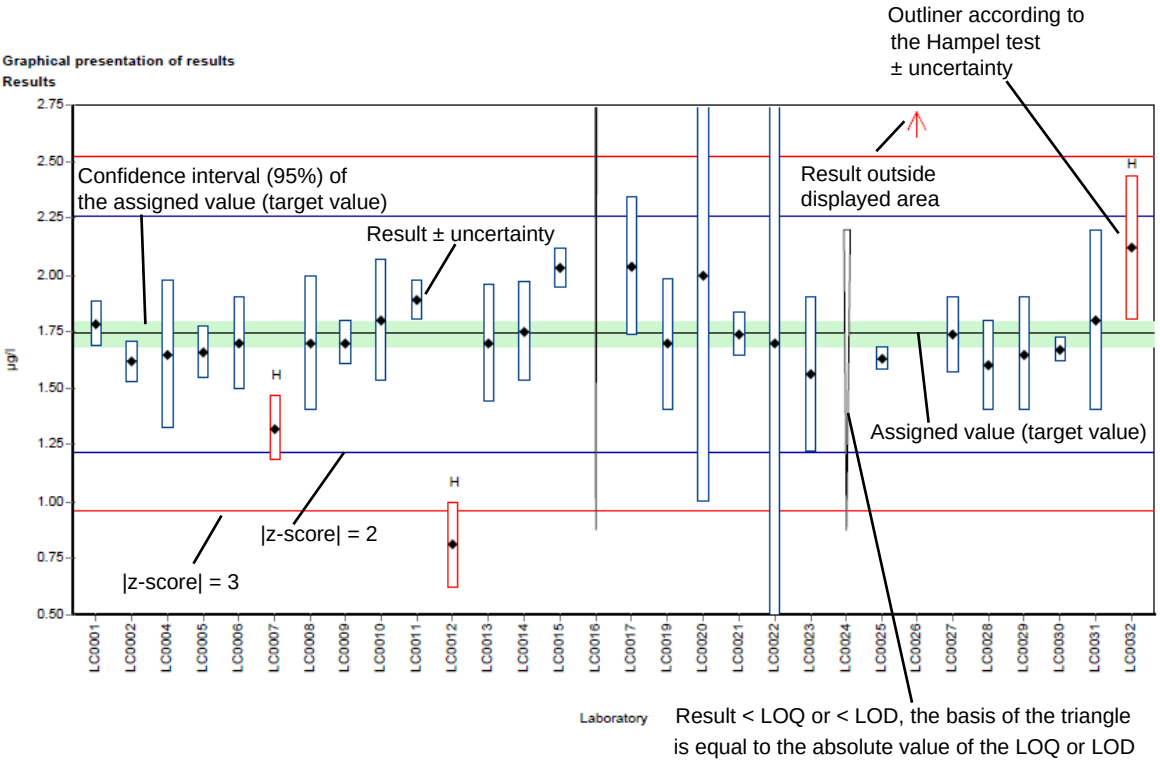
U (k=2)	Expanded uncertainty (k=2) of the assigned value (3 significant digits)
Criteria	Specified value for the determination of the z-score in the given unit (3 significant digits)
Criteria [%]	Specified value for the determination of the z-score in % of the assigned value (2 significant digits)
Mean	Mean of the 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	Result as indicated by participant (max. 5 decimal places)
± U	combined measurement uncertainty without expansion factor (k=1), as indicated by participant (max. 5 decimal places)
LOQ	Limit of quantification
LOD	Limit of detection
Recovery	Recovery rate in % based on assigned value (target value) (3 significant digits, max. one decimal place given)
z-Score	Deviation of result based on the assigned value (target value) given as a multiple of the criteria (3 significant digits, max. 2 decimal places given)
E_n-Score	Deviation of result based on the assigned value (target value) given as a multiple of the combined expanded measurement uncertainty of the participant's results and expanded measurement uncertainty for the assigned value (3 significant digits, max. 2 decimal places given). Note: E_n-Score assessment 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
**	mark for parameters outside the scope of accreditation according to EN ISO/IEC 17043

E5.2. Graphical presentation of results

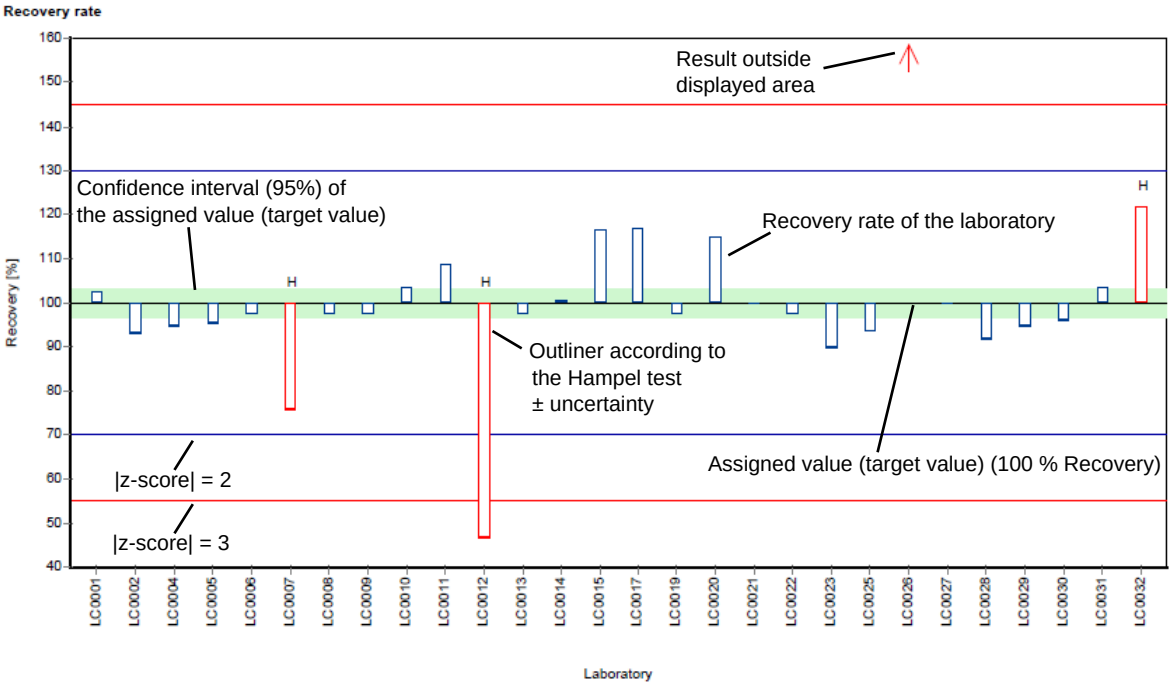
The graphic representation in the report is explained below by means of commented example diagrams:

Example chart: Results



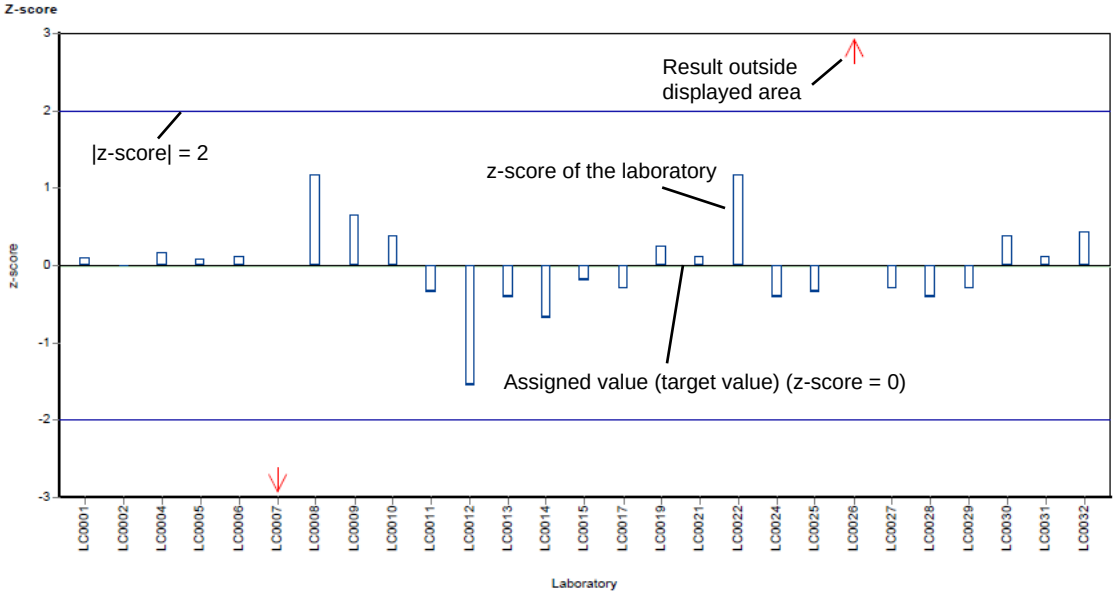
Different analysis methods are represented with different colors.

Example chart: Recovery



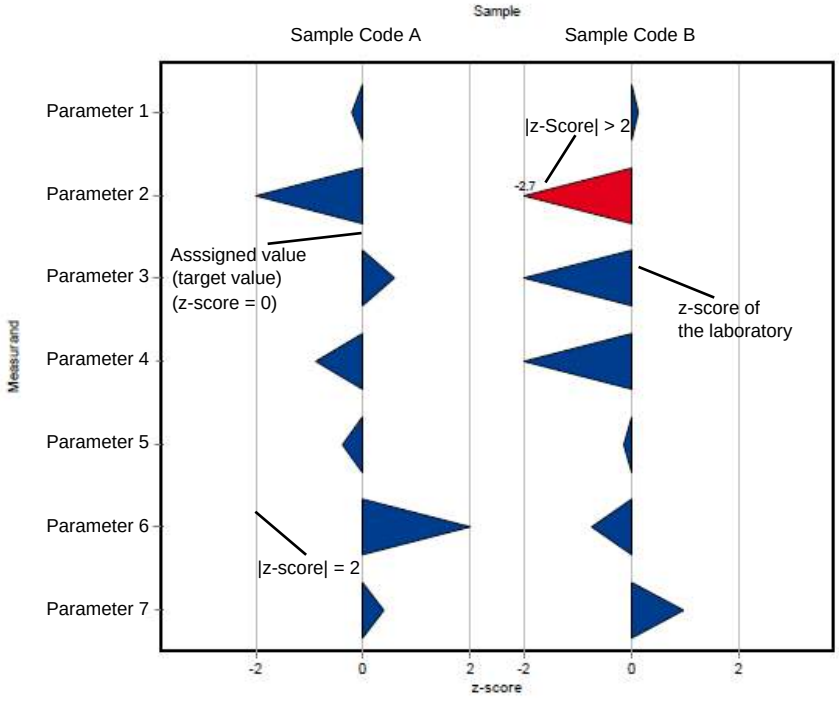
Different analysis methods are represented with different colors.

Example chart: z-score

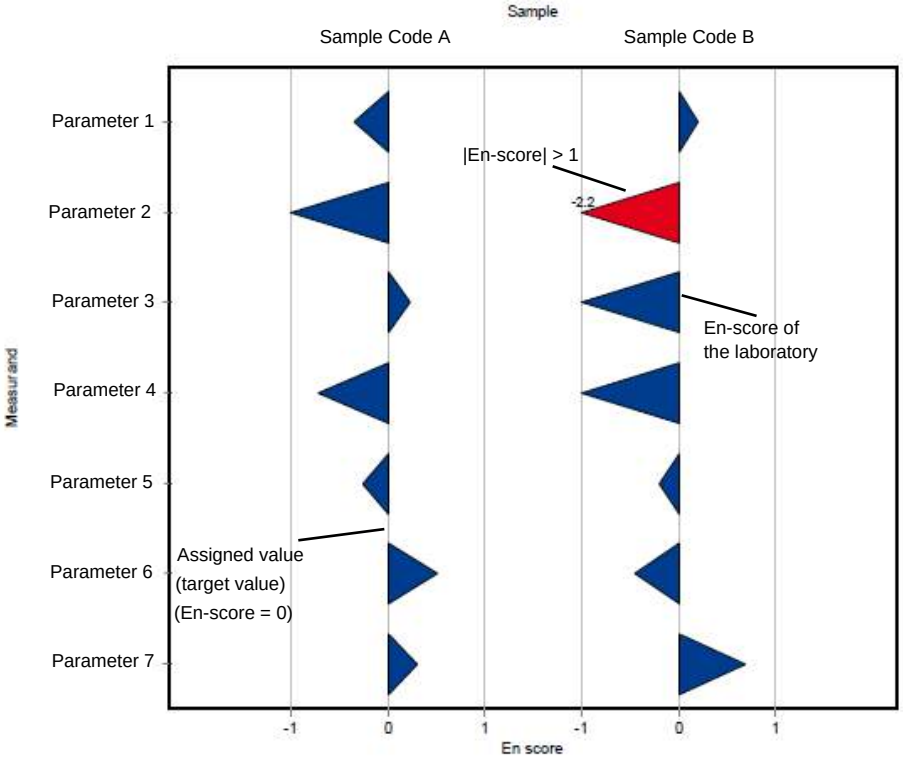


Different analysis methods are represented with different colors.

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 [%]
Aluminium	M160 A	µg/l	36.3	±	1.04	5.45	15
	M160 B	µg/l	105	±	2.25	15.8	15
Arsenic	M160 A	µg/l	2.34	±	0.0752	0.304	13
	M160 B	µg/l	5.66	±	0.136	0.736	13
Cadmium	M160 A	µg/l	0.517	±	0.0112	0.0517	10
	M160 B	µg/l	3.67	±	0.0564	0.367	10
Chromium	M160 A	µg/l	3.8	±	0.0928	0.323	8.5
	M160 B	µg/l	2.21	±	0.0559	0.188	8.5
Copper	M160 A	µg/l	9.22	±	0.241	0.829	9
	M160 B	µg/l	60.4	±	0.94	5.44	9
Iron	M160 A	µg/l	54	±	1.38	5.94	11
	M160 B	µg/l	113	±	1.78	12.4	11
Lead	M160 A	µg/l	2.21	±	0.0437	0.332	15
	M160 B	µg/l	2.69	±	0.0583	0.403	15
Manganese	M160 A	µg/l	30.1	±	0.599	2.17	7.2
	M160 B	µg/l	20.7	±	0.331	1.49	7.2
Mercury	M160 A Hg	µg/l	0.944	±	0.0244	0.132	14
	M160 B Hg	µg/l	1.2	±	0.0214	0.168	14
Nickel	M160 A	µg/l	5.18	±	0.152	0.622	12
	M160 B	µg/l	15.3	±	0.317	1.83	12
Selenium	M160 A	µg/l	2.19	±	0.0565	0.262	12
	M160 B	µg/l	5.28	±	0.126	0.634	12
Uranium	M160 A	µg/l	3.49	±	0.113	0.231	6.6
	M160 B	µg/l	1.72	±	0.0429	0.113	6.6
Zinc	M160 A	µg/l	88.5	±	1.55	7.97	9
	M160 B	µg/l	138	±	1.77	12.4	9

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 [%]
Aluminium	M160 A	34	6	µg/l	36.3	± 1.57	29.3	42.5	3.05	8.4
	M160 B	38	2	µg/l	105	± 3.38	92.6	119	6.94	6.6
Arsenic	M160 A	32	4	µg/l	2.34	± 0.113	2.03	2.9	0.213	9.1
	M160 B	35	2	µg/l	5.66	± 0.203	4.51	6.41	0.401	7.1
Cadmium	M160 A	35	3	µg/l	0.517	± 0.0168	0.437	0.6	0.0331	6.4
	M160 B	38	1	µg/l	3.67	± 0.0846	3.29	4.04	0.174	4.7
Chromium	M160 A	31	6	µg/l	3.8	± 0.139	3.27	4.5	0.258	6.8
	M160 B	35	2	µg/l	2.21	± 0.0838	1.84	2.64	0.165	7.5
Copper	M160 A	35	4	µg/l	9.22	± 0.362	8.04	10.9	0.714	7.7
	M160 B	36	4	µg/l	60.4	± 1.41	54.9	66.9	2.82	4.7
Iron	M160 A	34	6	µg/l	54	± 2.06	48	63.1	4.01	7.4
	M160 B	38	2	µg/l	113	± 2.68	102	125	5.5	4.9
Lead	M160 A	34	4	µg/l	2.21	± 0.0655	1.89	2.5	0.127	5.8
	M160 B	35	3	µg/l	2.69	± 0.0875	2.26	2.98	0.172	6.4
Manganese	M160 A	39	1	µg/l	30.1	± 0.899	26.3	33.5	1.87	6.2
	M160 B	39	1	µg/l	20.7	± 0.496	18.5	23	1.03	5
Mercury	M160 A Hg	28	3	µg/l	0.944	± 0.0366	0.763	1.1	0.0646	6.8
	M160 B Hg	23	8	µg/l	1.2	± 0.0321	1.1	1.33	0.0513	4.3
Nickel	M160 A	35	2	µg/l	5.18	± 0.228	4.21	6.26	0.449	8.7
	M160 B	36	1	µg/l	15.3	± 0.476	12.8	16.8	0.951	6.2
Selenium	M160 A	28	3	µg/l	2.19	± 0.0847	1.88	2.6	0.149	6.8
	M160 B	32	2	µg/l	5.28	± 0.189	4.65	6.11	0.356	6.7
Uranium	M160 A	28	1	µg/l	3.49	± 0.17	2.81	4.03	0.3	8.6
	M160 B	27	2	µg/l	1.72	± 0.0643	1.42	1.88	0.111	6.5
Zinc	M160 A	37	3	µg/l	88.5	± 2.32	78.9	99.3	4.71	5.3
	M160 B	35	5	µg/l	138	± 2.65	124	148	5.22	3.8

E7. Parameterorientierte Auswertung / Parameter oriented report

Parameter oriented report

M160 A

Aluminium

Unit	µg/l
Assigned value ± U (k=2)	36.3 ± 1.04
Criterion	5.45 (15 %)
Minimum - Maximum	29.3 - 42.5
Control test value ± U (k=2)	38.7 ± 3.48

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	36	7.19	99.1	-0.06	
LC0002	36.74	3.05	101	0.08	
LC0003	35.9	3.6	98.9	-0.08	
LC0004	35.3	5.7	97.2	-0.19	
LC0005	42	6	116	1.04	
LC0006	48.2	2.9	133	2.18	H
LC0007	33.9	3.39	93.4	-0.44	
LC0008	34.83	7.22	95.9	-0.27	
LC0009	17.67	2.94	48.7	-3.42	H
LC0010	34.6	2.42	95.3	-0.31	
LC0011	42.5	4	117	1.14	
LC0012	34.24	3.86	94.3	-0.38	
LC0013	40.1	2.6	110	0.7	
LC0014	-	-	-	-	
LC0015	16.6	0.9	45.7	-3.62	H
LC0016	40	4	110	0.68	
LC0017	34.2	6.8	94.2	-0.39	
LC0018	38.02	3.8	105	0.31	
LC0019	35.5	3.5	97.8	-0.15	
LC0020	34.9	4.8	96.1	-0.26	
LC0021	30.7	5.5	84.5	-1.03	
LC0022	35.6	0.774	98	-0.13	
LC0023	42	4.2	116	1.04	
LC0024	37.5	5.6	103	0.22	
LC0025	46.4	7.9	128	1.85	H
LC0026	34.9	0.547	96.1	-0.26	
LC0027	36.63	3.722	101	0.06	
LC0028	34.3	4.12	94.5	-0.37	
LC0029	37.1	1.9	102	0.14	
LC0030	49.5	7.42	136	2.42	H
LC0031	36.03	3.603	99.2	-0.05	
LC0032	-	-	-	-	
LC0033	38.2	5.73	105	0.35	
LC0034	33.55	3.7	92.4	-0.51	
LC0035	35.73	2.5	98.4	-0.11	
LC0036	35.5	4.05	97.8	-0.15	
LC0037	39.6	0.85	109	0.6	
LC0038	44.7	0.1	123	1.54	H
LC0039	41	8.47	113	0.86	
LC0040	-	-	-	-	
LC0041	32.73	2.85	90.1	-0.66	

Parameter oriented report Metals and trace elements
M160

Sample: M160A, Parameter: Aluminium

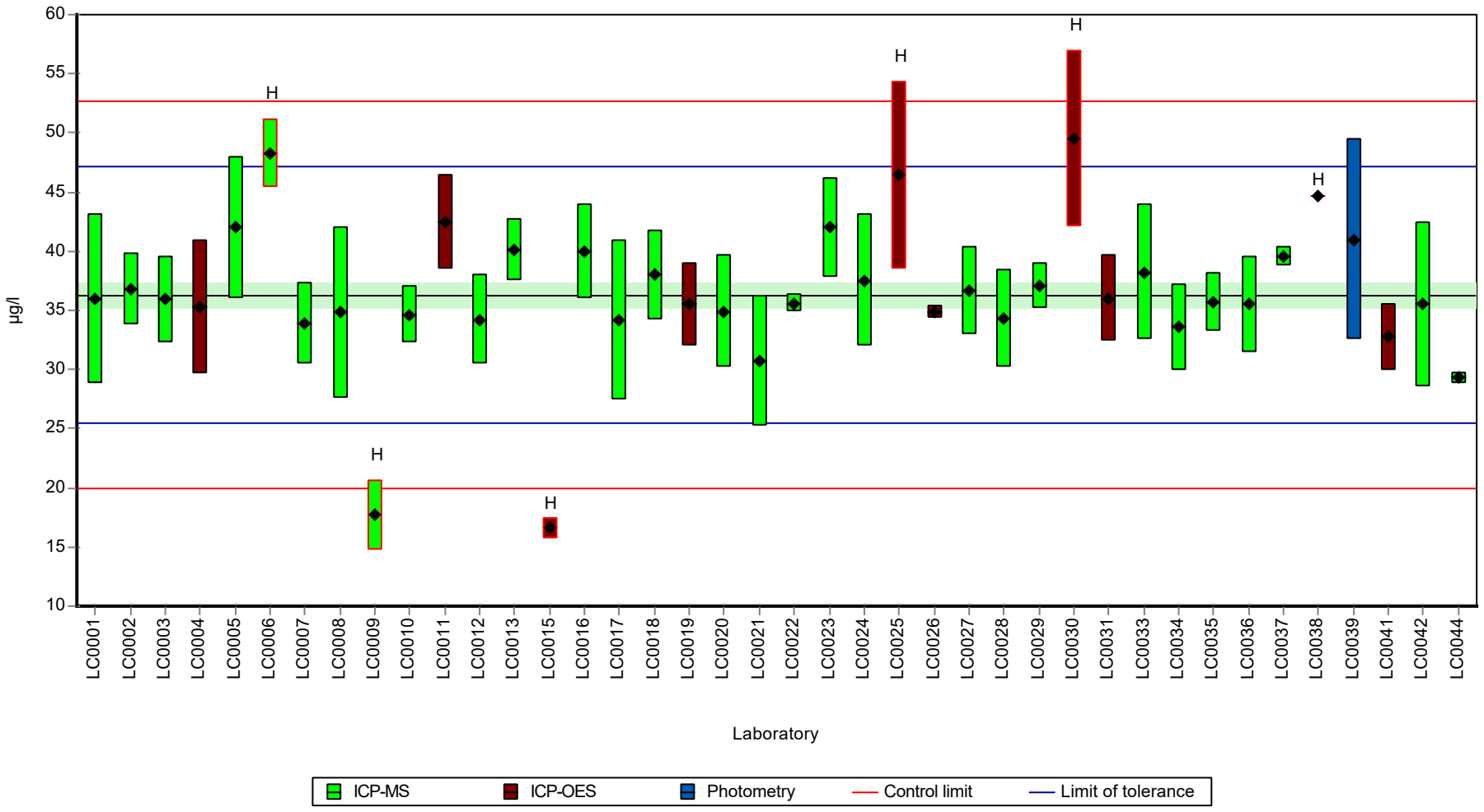
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	35.5	7	97.8	-0.15	
LC0043	-	-	-	-	
LC0044	29.269	0.4829	80.6	-1.29	

Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	36.4 ± 2.97	36.3 ± 1.57	µg/l
Minimum	16.6	29.3	µg/l
Maximum	49.5	42.5	µg/l
Standard deviation	6.26	3.05	µg/l
rel. standard deviation	17.2	8.39	%
n	40	34	-

Graphical presentation of results

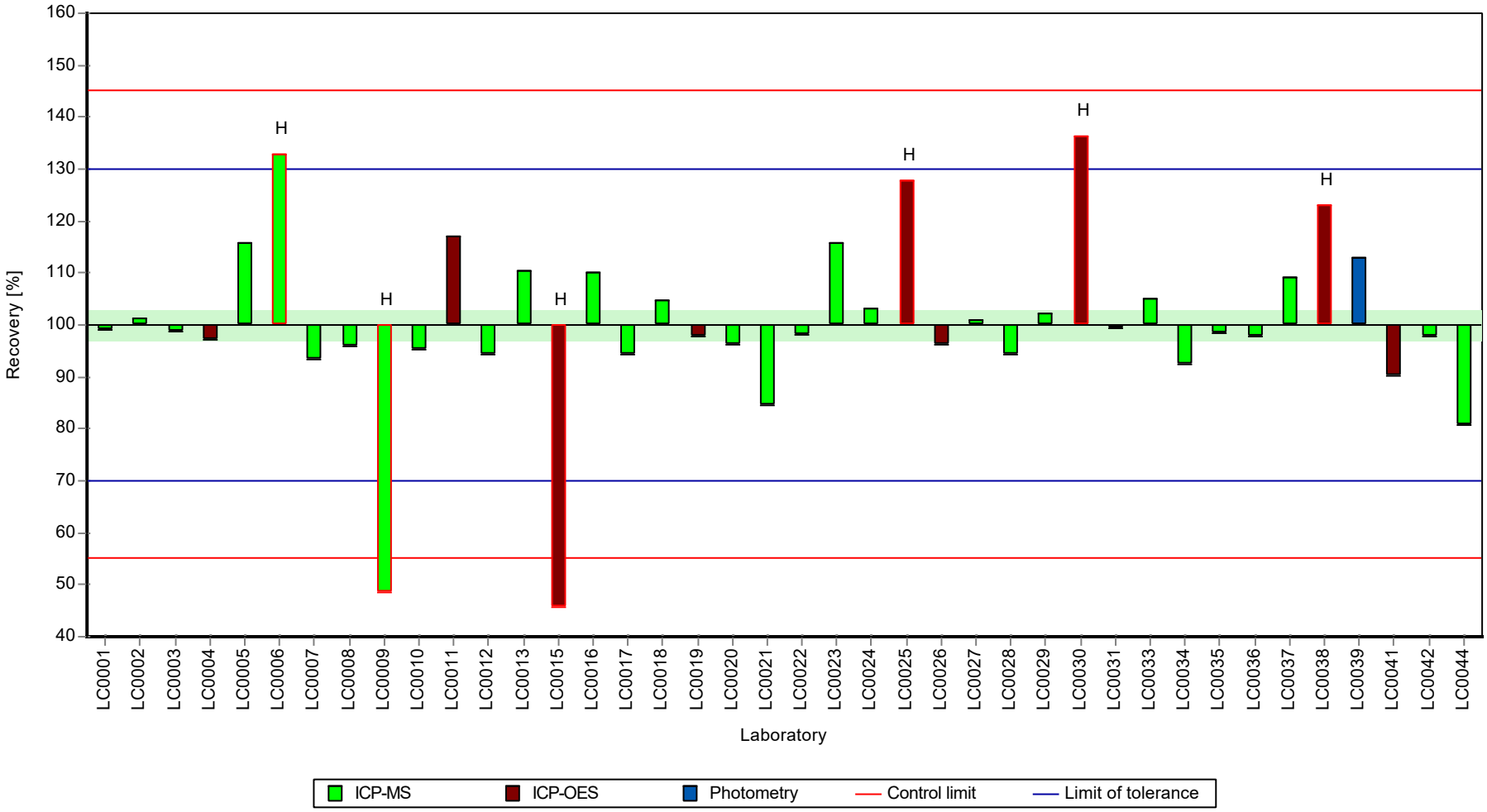
Results



Parameter oriented report Metals and trace elements M160

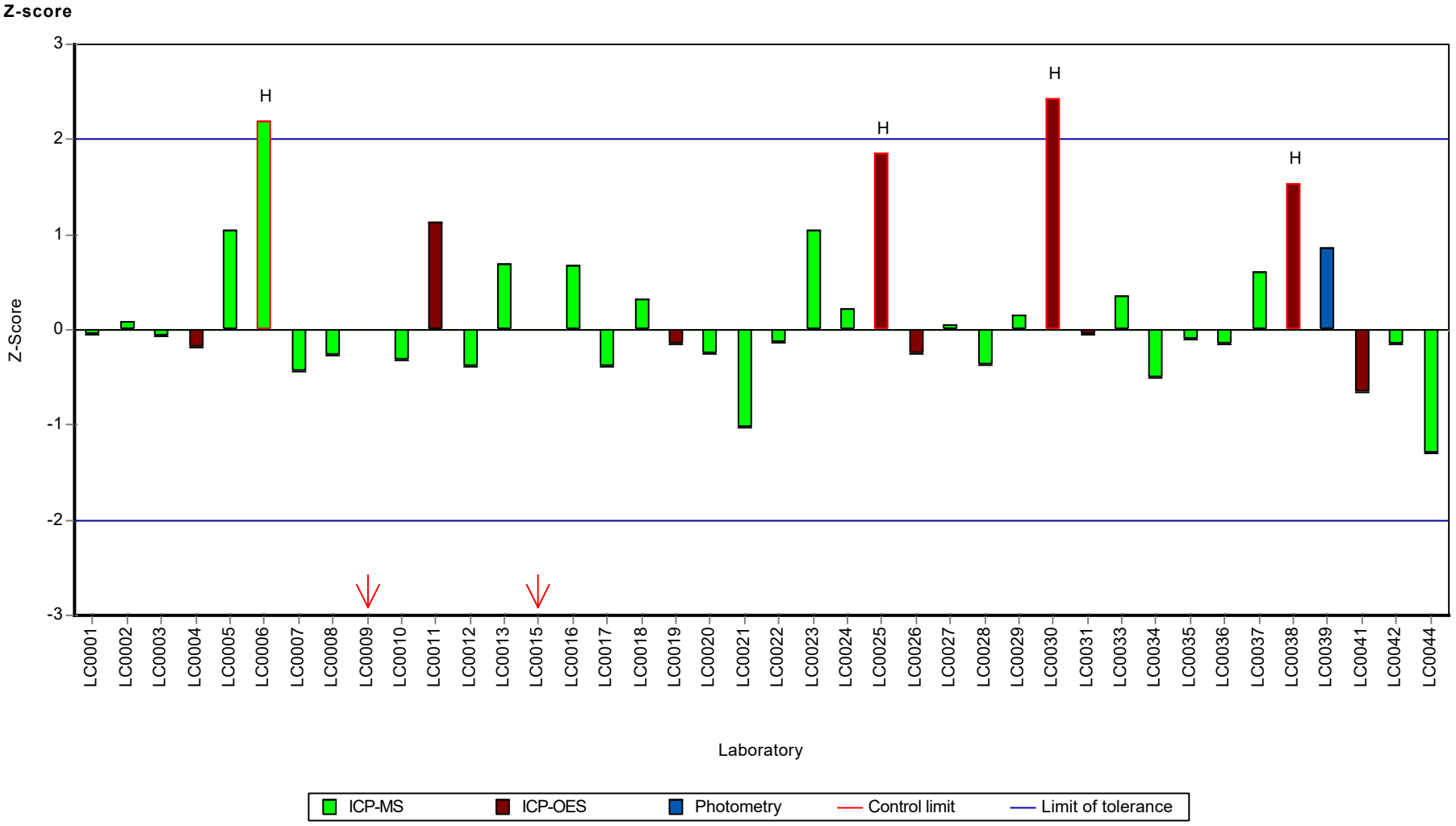
Sample: M160A, Parameter: Aluminium

Recovery rate



Parameter oriented report Metals and trace elements M160

Sample: M160A, Parameter: Aluminium



Parameter oriented report

M160 B

Aluminium

Unit	µg/l
Assigned value ± U (k=2)	105 ± 2.25
Criterion	15.8 (15 %)
Minimum - Maximum	92.6 - 119
Control test value ± U (k=2)	107.0 ± 9.65

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	99.3	14.9	94.4	-0.37	
LC0002	105.27	5.09	100	0.01	
LC0003	104	10.4	98.9	-0.07	
LC0004	100	13	95.1	-0.33	
LC0005	112	15	106	0.43	
LC0006	116	7	110	0.69	
LC0007	92.6	9.3	88	-0.8	
LC0008	97.61	20.22	92.8	-0.48	
LC0009	70.78	2.94	67.3	-2.18	H
LC0010	101	7.1	96	-0.27	
LC0011	110	4	105	0.3	
LC0012	106.66	11.73	101	0.09	
LC0013	111	7.1	106	0.37	
LC0014	-	-	-	-	
LC0015	96.7	1.1	91.9	-0.54	
LC0016	109	11	104	0.24	
LC0017	104	20	98.9	-0.07	
LC0018	109.3	10.9	104	0.26	
LC0019	96.3	9.6	91.6	-0.56	
LC0020	97.4	11.9	92.6	-0.49	
LC0021	115	21	109	0.62	
LC0022	102	2.03	97	-0.2	
LC0023	108	10.8	103	0.18	
LC0024	109	16.4	104	0.24	
LC0025	117	20	111	0.75	
LC0026	104	3.12	98.9	-0.07	
LC0027	99.81	10.141	94.9	-0.34	
LC0028	104	10.4	98.9	-0.07	
LC0029	108	5	103	0.18	
LC0030	130	19.5	124	1.57	H
LC0031	102	10.2	97	-0.2	
LC0032	-	-	-	-	
LC0033	106.4	16	101	0.08	
LC0034	94	10.4	89.4	-0.71	
LC0035	100.18	7.02	95.2	-0.32	
LC0036	99.1	11.3	94.2	-0.39	
LC0037	117	3.5	111	0.75	
LC0038	105	0.1	99.8	-0.01	
LC0039	117.5	24.29	112	0.78	
LC0040	-	-	-	-	
LC0041	99.27	8.71	94.4	-0.38	

Parameter oriented report Metals and trace elements M160

Sample: M160B, Parameter: Aluminium

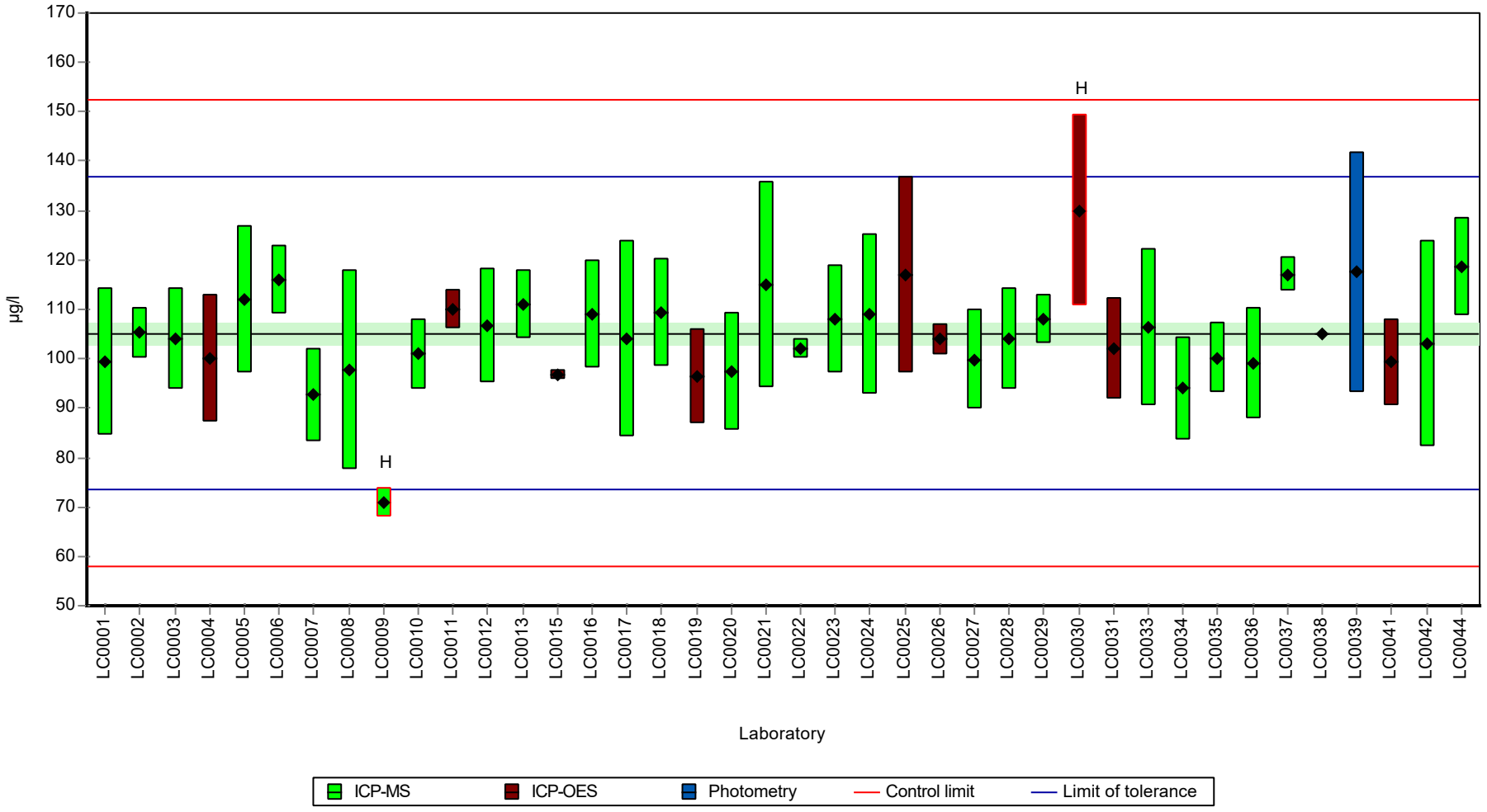
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	103	21	97.9	-0.14	
LC0043	-	-	-	-	
LC0044	118.54	9.9197	113	0.85	

Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	105 ± 4.54	105 ± 3.38	µg/l
Minimum	70.8	92.6	µg/l
Maximum	130	119	µg/l
Standard deviation	9.58	6.94	µg/l
rel. standard deviation	9.13	6.59	%
n	40	38	-

Graphical presentation of results

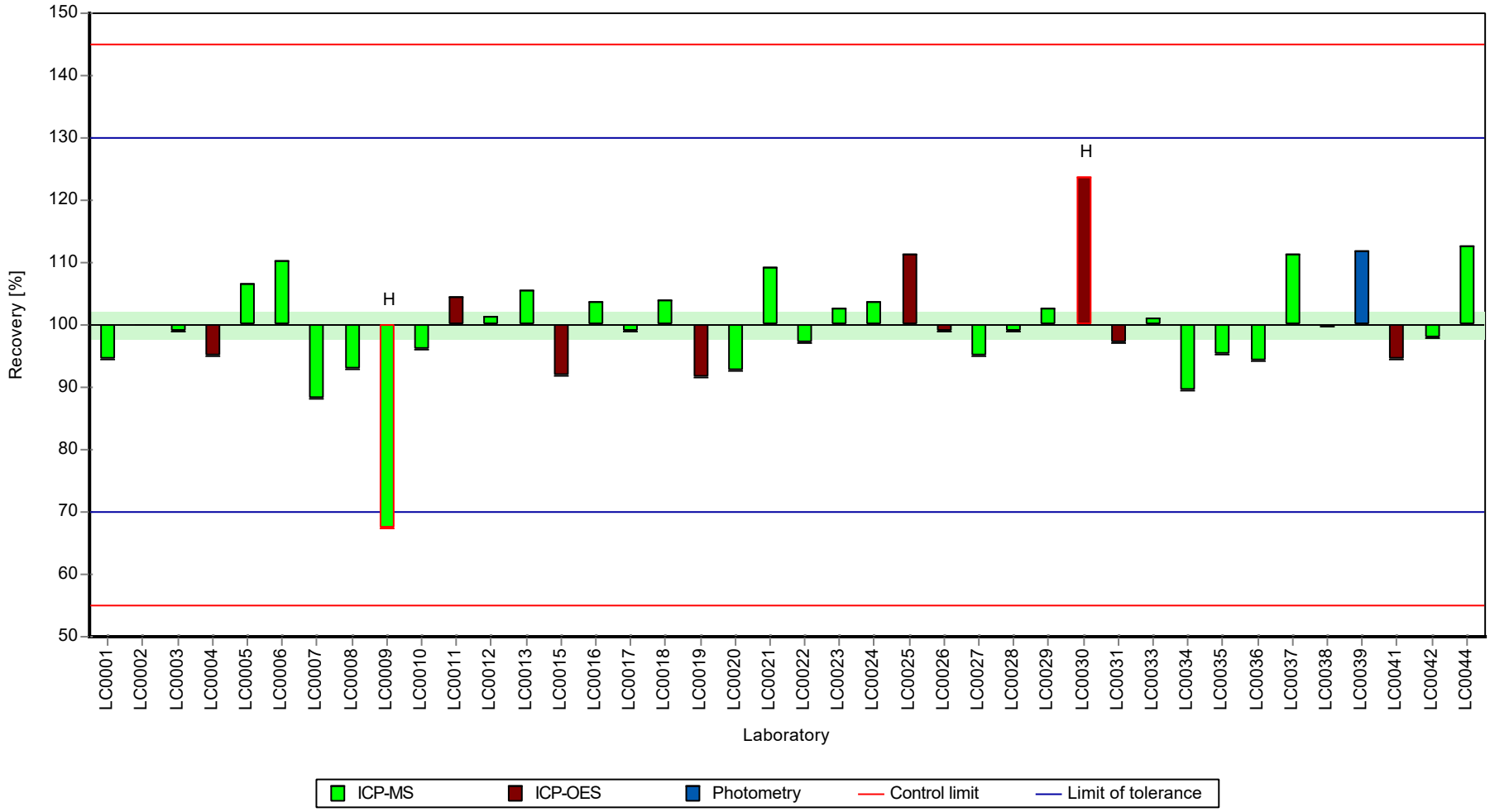
Results



Parameter oriented report Metals and trace elements M160

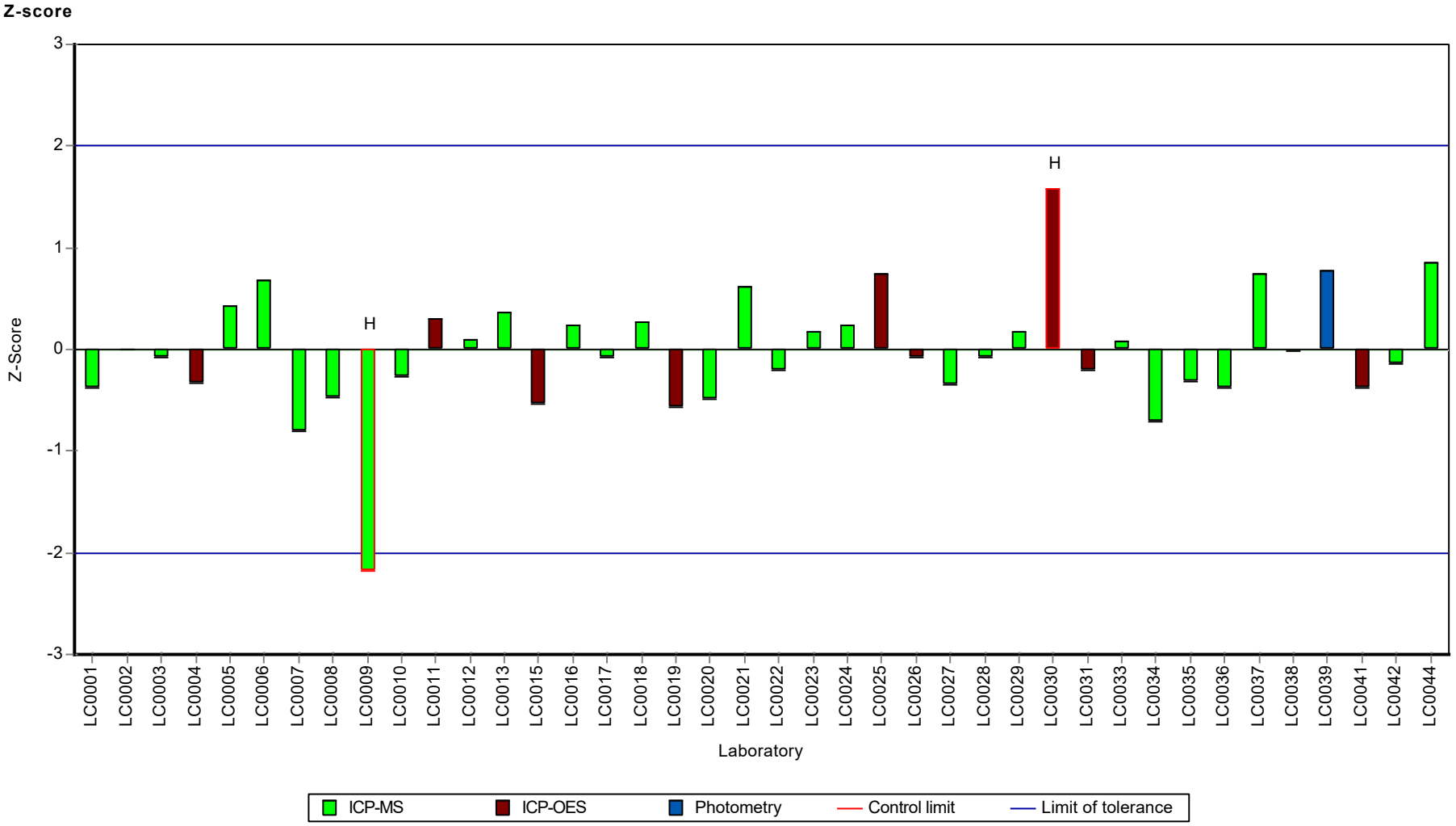
Sample: M160B, Parameter: Aluminium

Recovery rate



Parameter oriented report Metals and trace elements M160

Sample: M160B, Parameter: Aluminium



Parameter oriented report

M160 A

Arsenic

Unit	µg/l
Assigned value ± U (k=2)	2.34 ± 0.0752
Criterion	0.304 (13 %)
Minimum - Maximum	2.03 - 2.9
Control test value ± U (k=2)	2.280 ± 0.251

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	2.41	0.241	103	0.24	
LC0002	2.03	0.04	86.8	-1.01	
LC0003	2.36	0.24	101	0.07	
LC0004	2.19	0.6	93.7	-0.49	
LC0005	2.6	0.4	111	0.86	
LC0006	2.43	0.16	104	0.3	
LC0007	2.07	0.21	88.5	-0.88	
LC0008	2.16	0.5	92.4	-0.58	
LC0009	1.17	0.23	50	-3.84	H
LC0010	2.38	0.17	102	0.14	
LC0011	-	-	-	-	
LC0012	2.61	0.18	112	0.9	
LC0013	2.5	0.15	107	0.53	
LC0014	-	-	-	-	
LC0015	2.23	0.17	95.4	-0.35	
LC0016	2.39	0.24	102	0.17	
LC0017	2.53	0.51	108	0.63	
LC0018	2.222	0.22	95	-0.38	
LC0019	4.42	0.8	189	6.85	H
LC0020	2.3	0.4	98.4	-0.12	
LC0021	2.9	0.5	124	1.85	
LC0022	2.27	0.064	97.1	-0.22	
LC0023	2.5	0.3	107	0.53	
LC0024	2.16	0.431	92.4	-0.58	
LC0025	-	-	-	-	
LC0026	2.61	0.0565	112	0.9	
LC0027	2.381	0.4152	102	0.14	
LC0028	2.21	0.177	94.5	-0.42	
LC0029	2.24	0.2	95.8	-0.32	
LC0030	2.08	0.312	89	-0.85	
LC0031	-	-	-	-	
LC0032	-	-	-	-	
LC0033	2.25	0.34	96.2	-0.29	
LC0034	2.193	0.12	93.8	-0.48	
LC0035	2.192	0.175	93.8	-0.48	
LC0036	< 5 (LOQ)	-	-	-	
LC0037	2.5	0.085	107	0.53	
LC0038	2.13	0.3	91.1	-0.68	
LC0039	2.75	0.29	118	1.36	
LC0040	-	-	-	-	
LC0041	3.868	0.28	165	5.04	H

Parameter oriented report Metals and trace elements
M160

Sample: M160A, Parameter: Arsenic

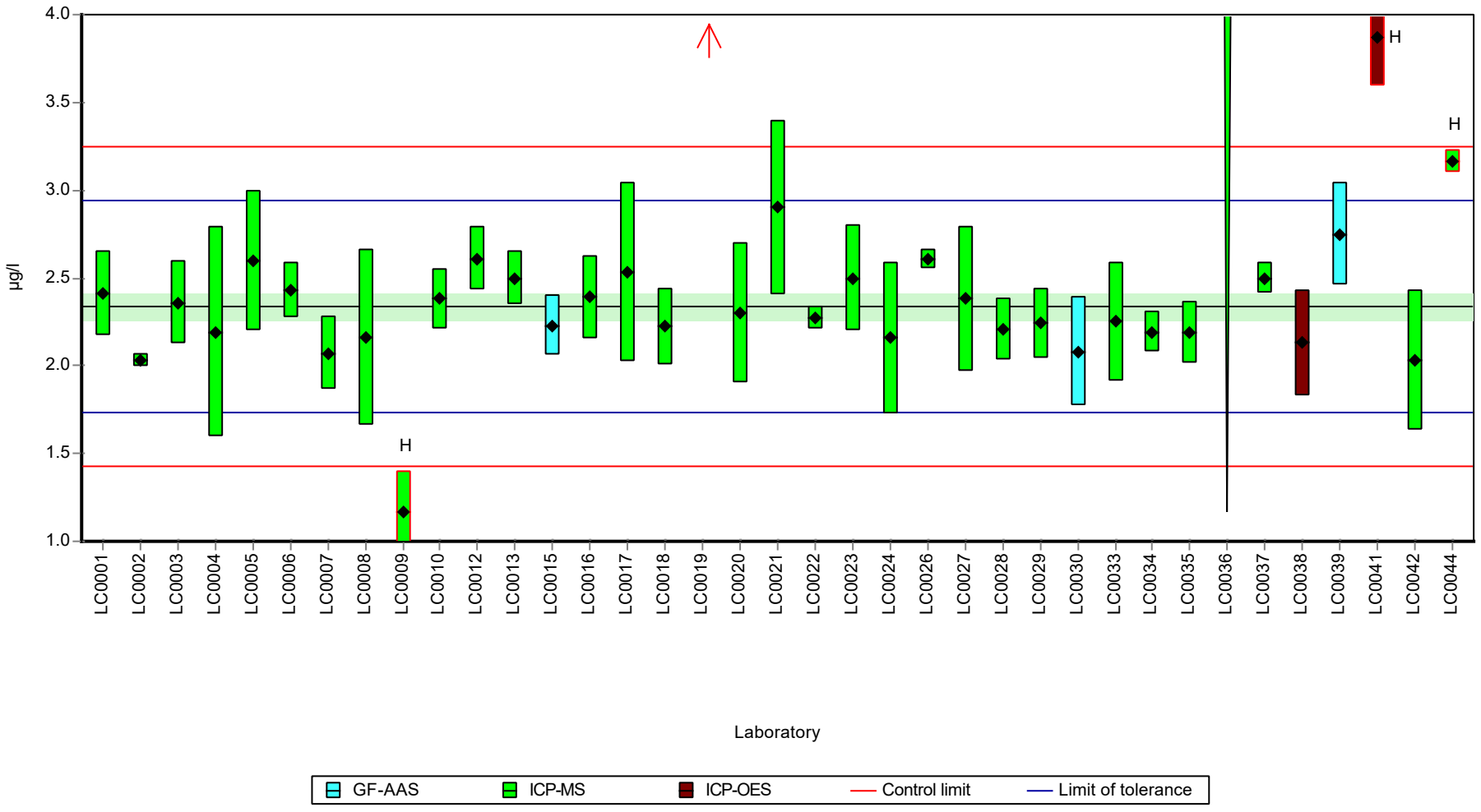
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	2.03	0.4	86.8	-1.01	
LC0043	-	-	-	-	
LC0044	3.167	0.0653	135	2.73	H

Characteristics of parameter

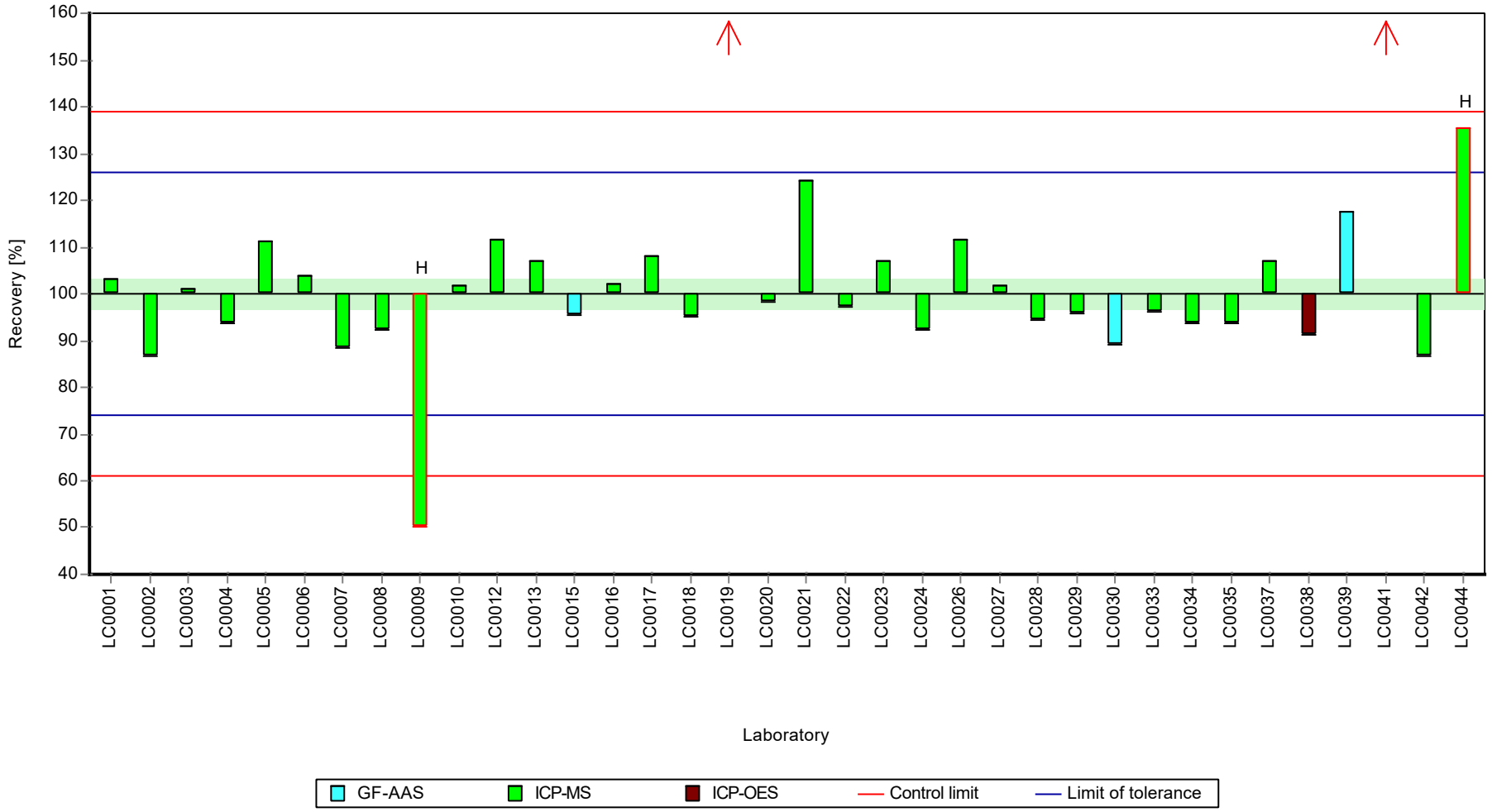
	all results	without outliers	Unit
Mean ± CI (99%)	2.43 ± 0.265	2.34 ± 0.113	µg/l
Minimum	1.17	2.03	µg/l
Maximum	4.42	2.9	µg/l
Standard deviation	0.53	0.213	µg/l
rel. standard deviation	21.8	9.1	%
n	36	32	-

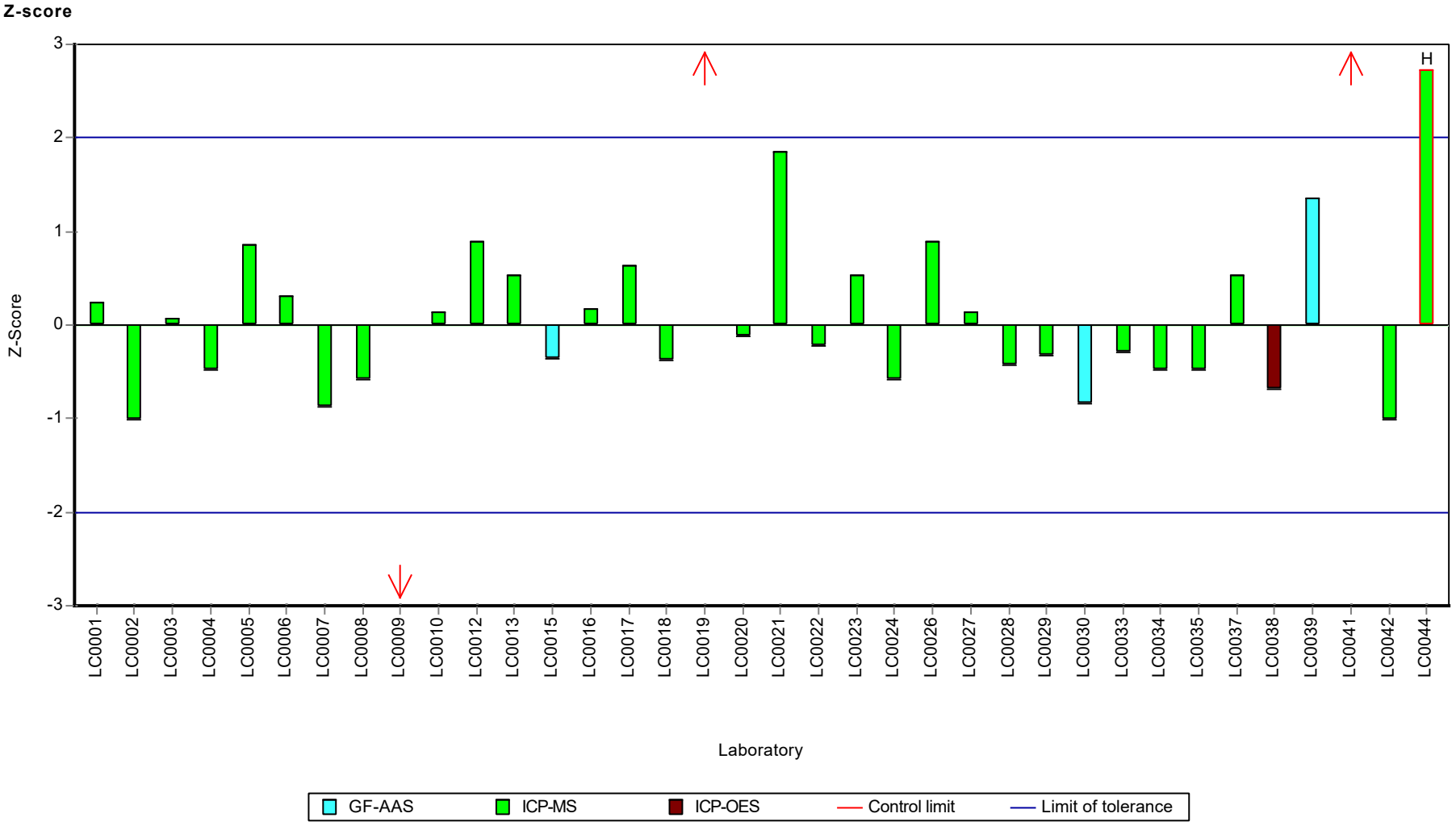
Graphical presentation of results

Results



Recovery rate




Z-score
Z-Score
3
2
1
0
-1
-2
-3
H
LC0001
LC0002
LC0003
LC0004
LC0005
LC0006
LC0007
LC0008
LC0009
LC0010
LC0012
LC0013
LC0015
LC0016
LC0017
LC0018
LC0019
LC0020
LC0021
LC0022
LC0023
LC0024
LC0026
LC0027
LC0028
LC0029
LC0030
LC0033
LC0034
LC0035
LC0037
LC0038
LC0039
LC0041
LC0042
LC0044
Laboratory
GF-AAS
ICP-MS
ICP-OES
Control limit
Limit of tolerance

Parameter oriented report

M160 B

Arsenic

Unit	µg/l
Assigned value ± U (k=2)	5.66 ± 0.136
Criterion	0.736 (13 %)
Minimum - Maximum	4.51 - 6.41
Control test value ± U (k=2)	6.00 ± 0.66

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	5.87	0.587	104	0.29	
LC0002	5.23	0.08	92.4	-0.58	
LC0003	5.83	0.58	103	0.23	
LC0004	5.43	1.14	96	-0.31	
LC0005	6.2	0.5	110	0.74	
LC0006	5.88	0.38	104	0.3	
LC0007	5.13	0.51	90.7	-0.72	
LC0008	5.2	1.2	91.9	-0.62	
LC0009	4.21	0.24	74.4	-1.97	H
LC0010	5.76	0.4	102	0.14	
LC0011	-	-	-	-	
LC0012	6.41	0.44	113	1.02	
LC0013	5.93	0.35	105	0.37	
LC0014	-	-	-	-	
LC0015	4.51	0.18	79.7	-1.56	
LC0016	5.73	0.57	101	0.1	
LC0017	6.4	1.28	113	1.01	
LC0018	5.513	0.55	97.4	-0.2	
LC0019	6.24	1.1	110	0.79	
LC0020	5.6	0.8	99	-0.08	
LC0021	6.1	1	108	0.6	
LC0022	5.57	0.142	98.4	-0.12	
LC0023	5.9	0.708	104	0.33	
LC0024	5.4	1.08	95.4	-0.35	
LC0025	-	-	-	-	
LC0026	5.69	0.0522	101	0.04	
LC0027	5.698	0.9937	101	0.05	
LC0028	5.42	0.867	95.8	-0.32	
LC0029	5.57	0.5	98.4	-0.12	
LC0030	4.27	0.64	75.5	-1.89	H
LC0031	-	-	-	-	
LC0032	-	-	-	-	
LC0033	5.75	0.86	102	0.12	
LC0034	5.457	0.31	96.4	-0.27	
LC0035	5.348	0.428	94.5	-0.42	
LC0036	6	0.31	106	0.46	
LC0037	6.02	0.055	106	0.49	
LC0038	5.47	0.3	96.7	-0.26	
LC0039	5.5	0.57	97.2	-0.22	
LC0040	-	-	-	-	
LC0041	5.93	0.425	105	0.37	

Parameter oriented report Metals and trace elements
M160

Sample: M160B, Parameter: Arsenic

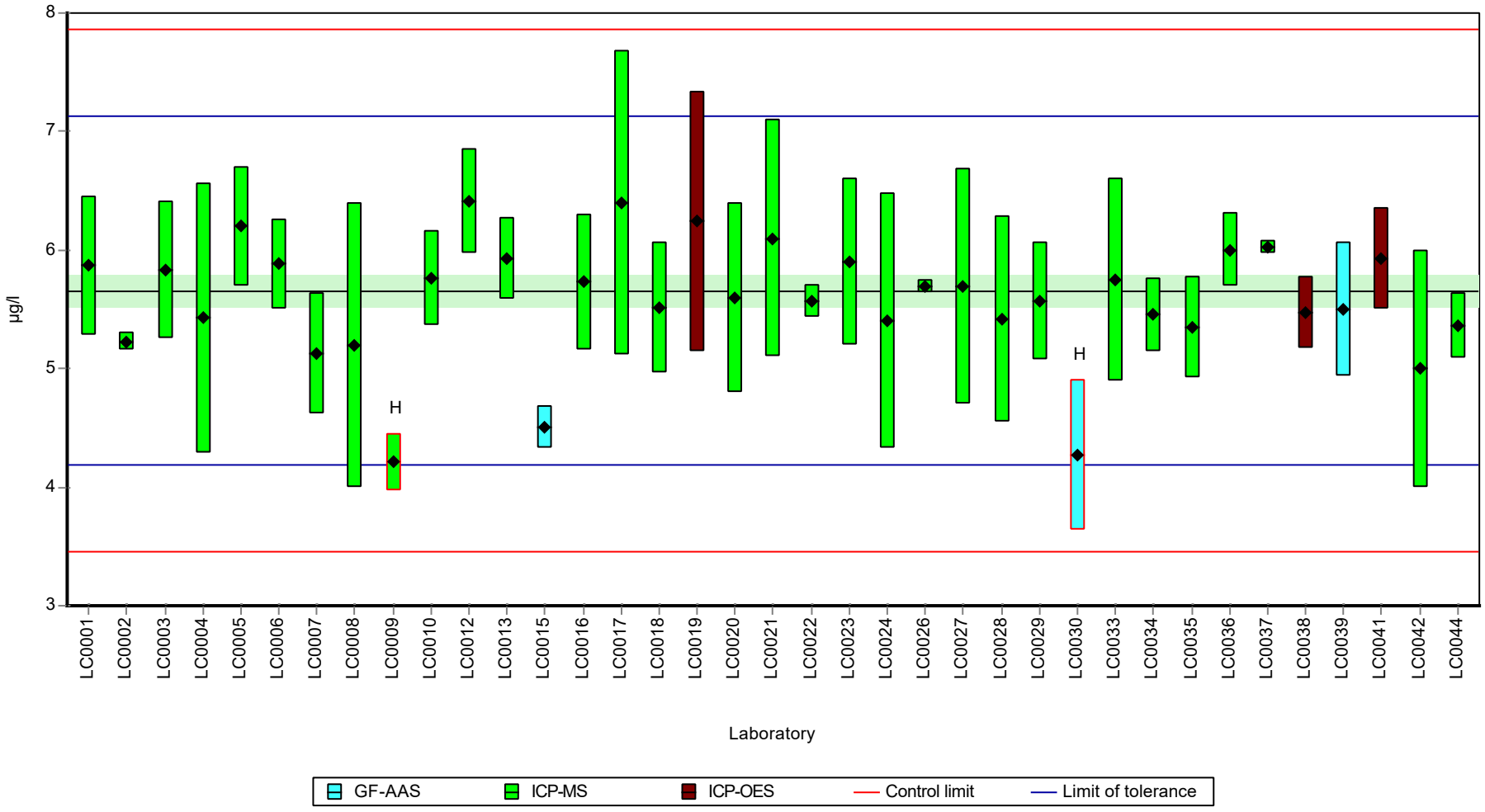
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	5	1	88.4	-0.9	
LC0043	-	-	-	-	
LC0044	5.365	0.275	94.8	-0.4	

Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	5.58 ± 0.25	5.66 ± 0.203	µg/l
Minimum	4.21	4.51	µg/l
Maximum	6.41	6.41	µg/l
Standard deviation	0.508	0.401	µg/l
rel. standard deviation	9.09	7.09	%
n	37	35	-

Graphical presentation of results

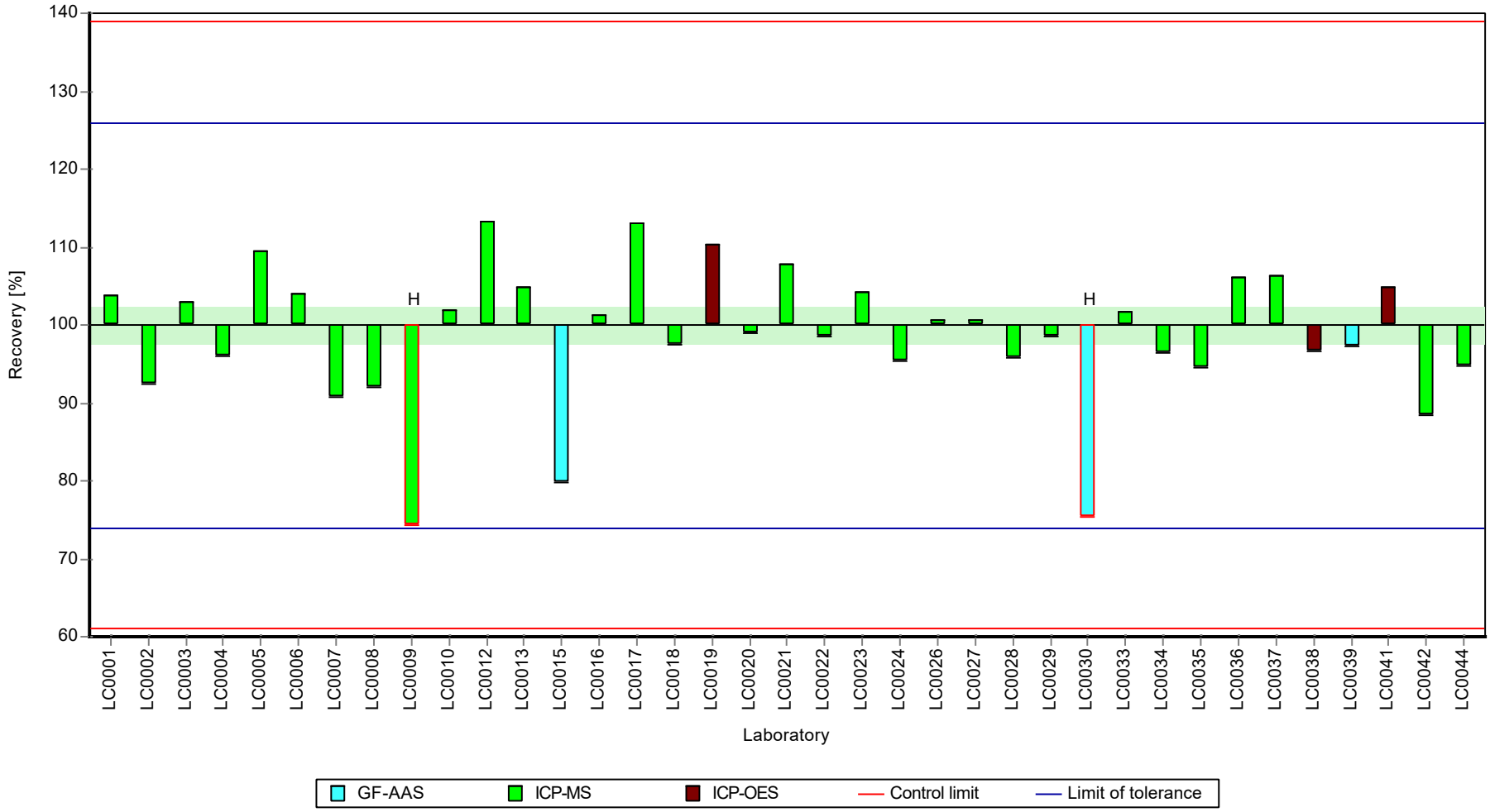
Results

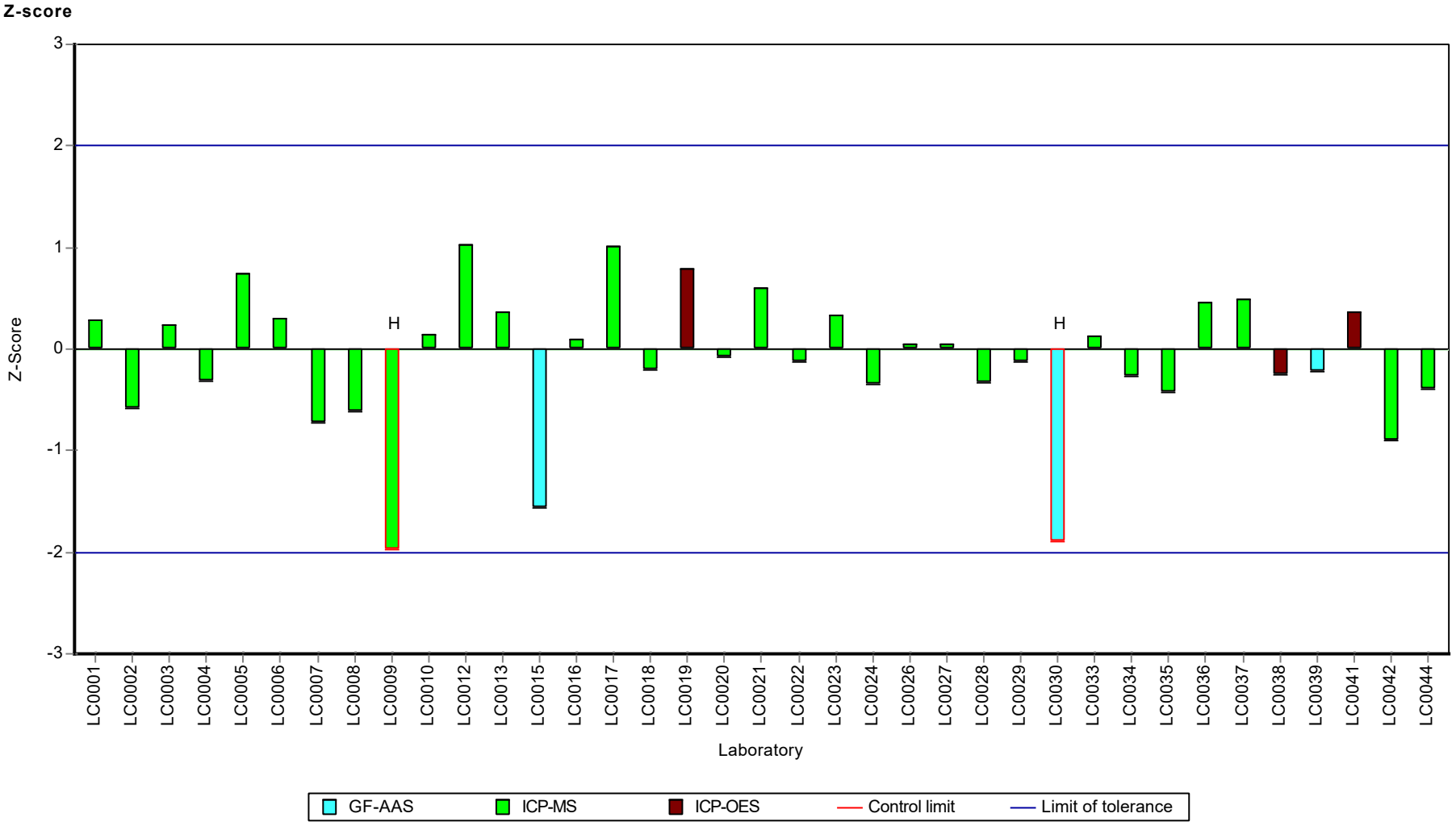


Parameter oriented report Metals and trace elements M160

Sample: M160B, Parameter: Arsenic

Recovery rate




Z-score
Z-Score
3
2
1
0
-1
-2
-3
H
H
LC0001
LC0002
LC0003
LC0004
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LC0007
LC0008
LC0009
LC0010
LC0012
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LC0029
LC0030
LC0033
LC0034
LC0035
LC0036
LC0037
LC0038
LC0039
LC0041
LC0042
LC0044
Laboratory
GF-AAS
ICP-MS
ICP-OES
Control limit
Limit of tolerance

Parameter oriented report

M160 A

Cadmium

Unit	µg/l
Assigned value ± U (k=2)	0.517 ± 0.0112
Criterion	0.0517 (10 %)
Minimum - Maximum	0.437 - 0.6
Control test value ± U (k=2)	0.4990 ± 0.0548

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.499	0.0749	96.5	-0.35	
LC0002	0.54	0.03	104	0.45	
LC0003	0.53	0.05	103	0.25	
LC0004	0.52	0.17	101	0.06	
LC0005	0.54	0.1	104	0.45	
LC0006	0.552	0.029	107	0.68	
LC0007	0.5	0.05	96.7	-0.33	
LC0008	0.531	0.07	103	0.27	
LC0009	0.64	0.15	124	2.38	H
LC0010	0.505	0.035	97.7	-0.23	
LC0011	-	-	-	-	
LC0012	0.5	0.07	96.7	-0.33	
LC0013	0.531	0.067	103	0.27	
LC0014	0.4371	0.0542	84.6	-1.54	
LC0015	0.65	0.03	126	2.58	H
LC0016	0.499	0.05	96.5	-0.35	
LC0017	0.536	0.107	104	0.37	
LC0018	0.503	0.05	97.3	-0.27	
LC0019	0.5	0.08	96.7	-0.33	
LC0020	0.53	0.07	103	0.25	
LC0021	0.6	0.07	116	1.61	
LC0022	0.512	0.032	99.1	-0.09	
LC0023	0.54	0.0432	104	0.45	
LC0024	0.54	0.07	104	0.45	
LC0025	-	-	-	-	
LC0026	0.525	0.0118	102	0.16	
LC0027	0.529	0.0482	102	0.23	
LC0028	0.478	0.0383	92.5	-0.75	
LC0029	0.553	0.05	107	0.7	
LC0030	0.507	0.07	98.1	-0.19	
LC0031	-	-	-	-	
LC0032	0.554	0.05	107	0.72	
LC0033	0.462	0.069	89.4	-1.06	
LC0034	0.521	0.042	101	0.08	
LC0035	0.545	0.0414	105	0.54	
LC0036	< 1 (LOQ)	-	-	-	
LC0037	0.541	0.015	105	0.47	
LC0038	0.537	0.05	104	0.39	
LC0039	0.47	0.06	90.9	-0.91	
LC0040	-	-	-	-	
LC0041	0.455	0.031	88	-1.2	

Parameter oriented report Metals and trace elements
M160

Sample: M160A, Parameter: Cadmium

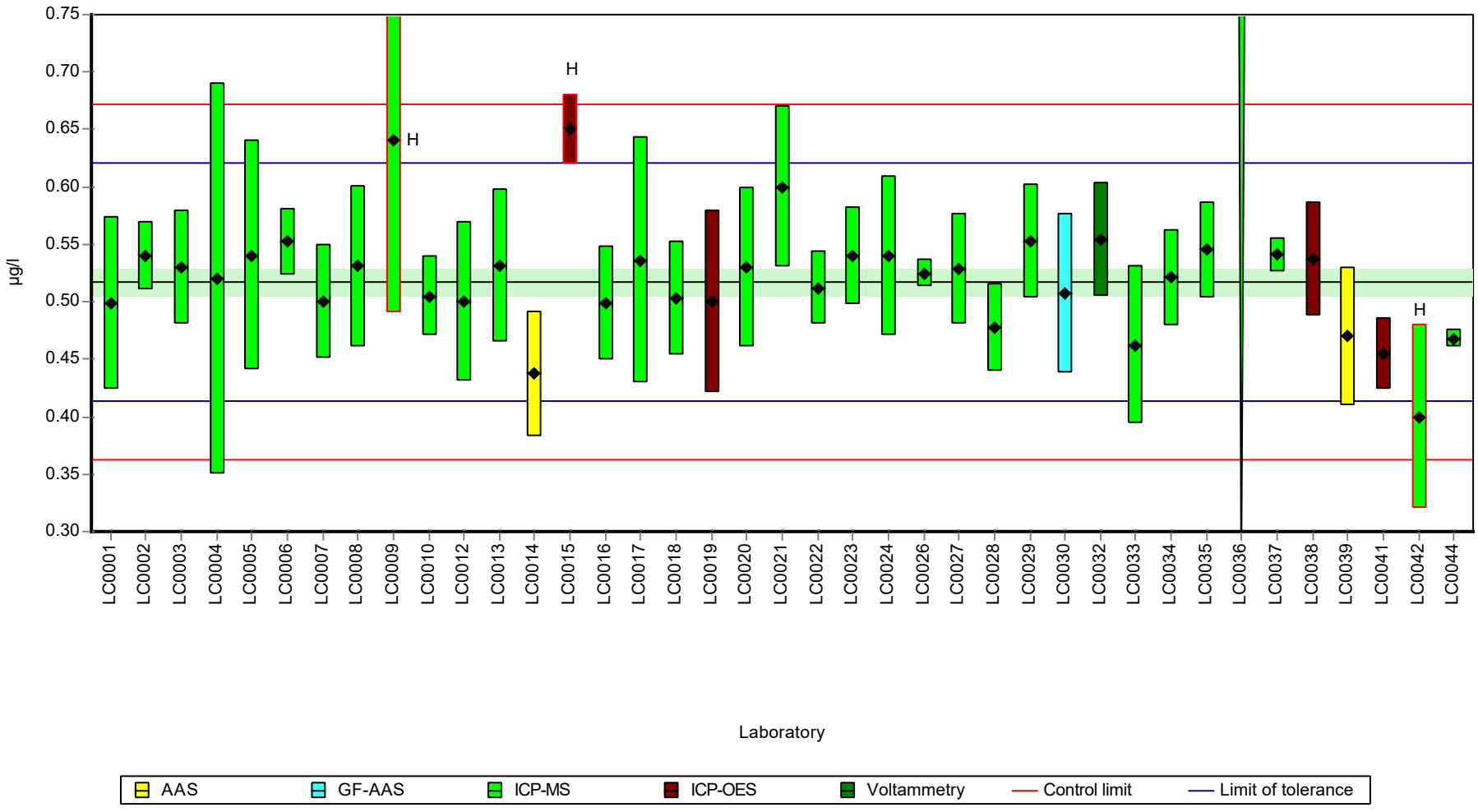
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	0.4	0.08	77.4	-2.26	H
LC0043	-	-	-	-	
LC0044	0.468	0.0078	90.5	-0.94	

Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	0.521 ± 0.0231	0.517 ± 0.0168	µg/l
Minimum	0.4	0.437	µg/l
Maximum	0.65	0.6	µg/l
Standard deviation	0.0475	0.0331	µg/l
rel. standard deviation	9.12	6.41	%
n	38	35	-

Graphical presentation of results

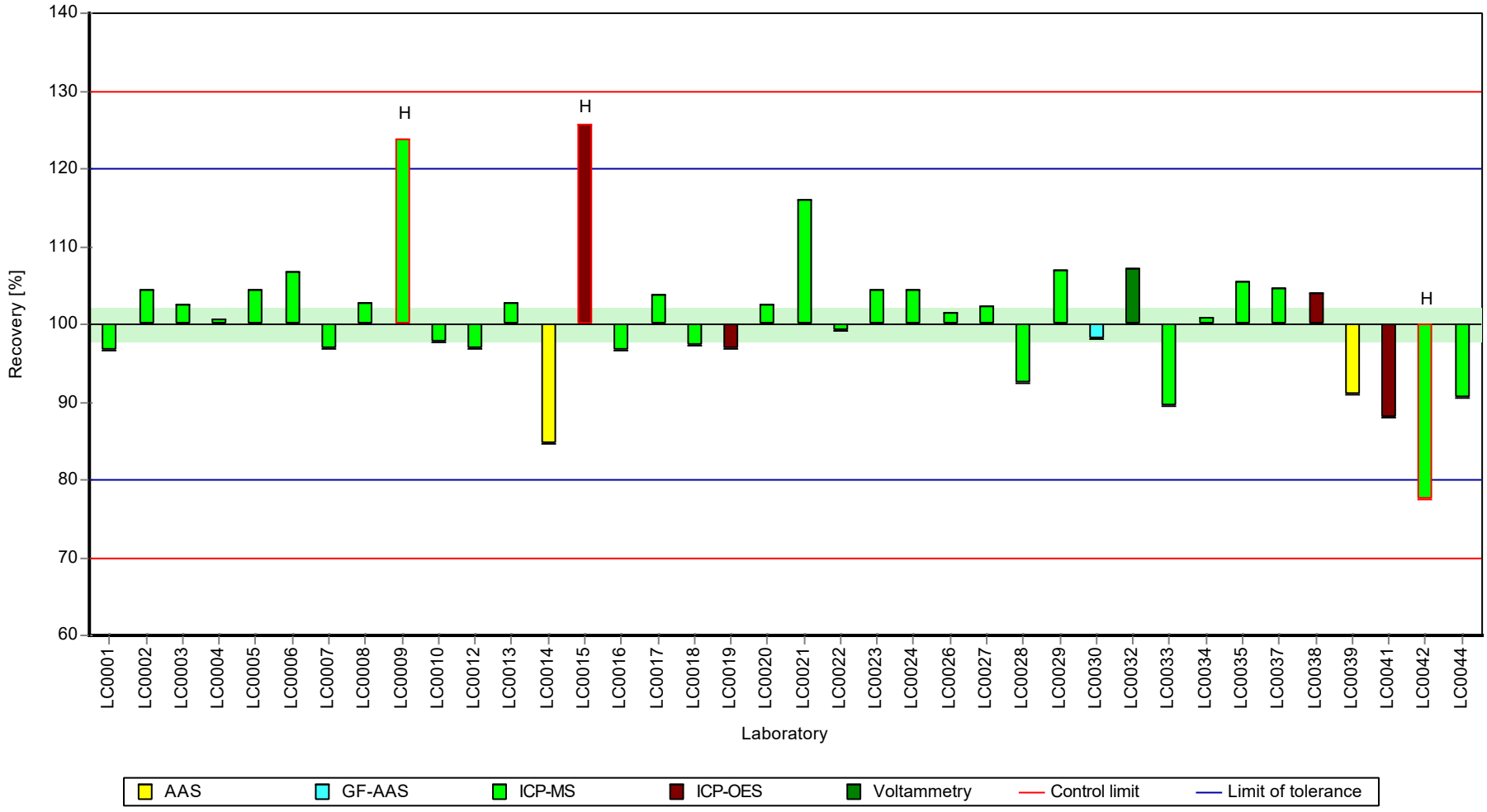
Results

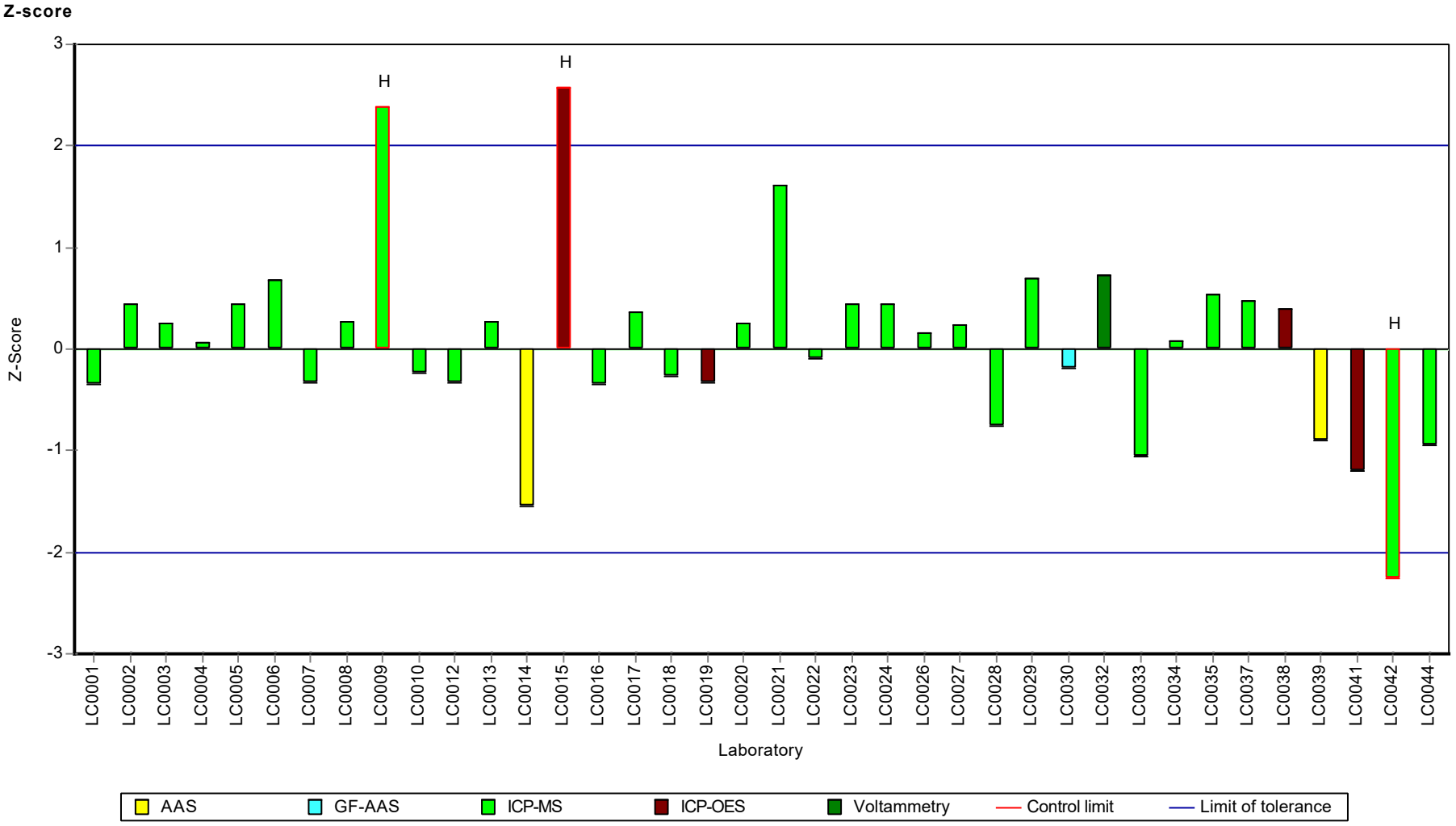


Parameter oriented report Metals and trace elements M160

Sample: M160A, Parameter: Cadmium

Recovery rate




Z-score
Z-Score
3
2
1
0
-1
-2
-3
H
H
H
LC0001
LC0002
LC0003
LC0004
LC0005
LC0006
LC0007
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LC0030
LC0032
LC0033
LC0034
LC0035
LC0037
LC0038
LC0039
LC0041
LC0042
LC0044
Laboratory
AAS
GF-AAS
ICP-MS
ICP-OES
Voltammetry
Control limit
Limit of tolerance

Parameter oriented report

M160 B

Cadmium

Unit	µg/l
Assigned value ± U (k=2)	3.67 ± 0.0564
Criterion	0.367 (10 %)
Minimum - Maximum	3.3 - 4.04
Control test value ± U (k=2)	3.590 ± 0.395

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	3.45	0.345	93.9	-0.61	
LC0002	3.77	0.08	103	0.26	
LC0003	3.79	0.38	103	0.32	
LC0004	3.62	0.65	98.6	-0.14	
LC0005	3.83	0.3	104	0.43	
LC0006	3.75	0.2	102	0.21	
LC0007	3.3	0.33	89.8	-1.02	
LC0008	3.77	0.5	103	0.26	
LC0009	3.78	0.25	103	0.29	
LC0010	3.55	0.25	96.6	-0.34	
LC0011	-	-	-	-	
LC0012	4.04	0.59	110	1	
LC0013	3.75	0.47	102	0.21	
LC0014	3.6375	0.4514	99	-0.1	
LC0015	3.73	0.05	102	0.15	
LC0016	3.67	0.37	99.9	-0.01	
LC0017	3.75	0.75	102	0.21	
LC0018	3.629	0.36	98.8	-0.12	
LC0019	3.53	0.6	96.1	-0.39	
LC0020	3.89	0.51	106	0.59	
LC0021	3.8	0.5	103	0.35	
LC0022	3.57	0.208	97.2	-0.28	
LC0023	3.83	0.306	104	0.43	
LC0024	3.87	0.5	105	0.54	
LC0025	-	-	-	-	
LC0026	3.73	0.0815	102	0.15	
LC0027	3.813	0.3474	104	0.38	
LC0028	3.43	0.378	93.4	-0.66	
LC0029	3.87	0.4	105	0.54	
LC0030	3.85	0.58	105	0.48	
LC0031	-	-	-	-	
LC0032	3.676	0.33	100	0.01	
LC0033	3.4	0.51	92.6	-0.74	
LC0034	3.667	0.29	99.8	-0.02	
LC0035	3.815	0.242	104	0.39	
LC0036	3.5	0.18	95.3	-0.47	
LC0037	3.67	0.12	99.9	-0.01	
LC0038	3.66	0.05	99.6	-0.04	
LC0039	3.49	0.42	95	-0.5	
LC0040	-	-	-	-	
LC0041	3.295	0.225	89.7	-1.03	

Parameter oriented report Metals and trace elements
M160

Sample: M160B, Parameter: Cadmium

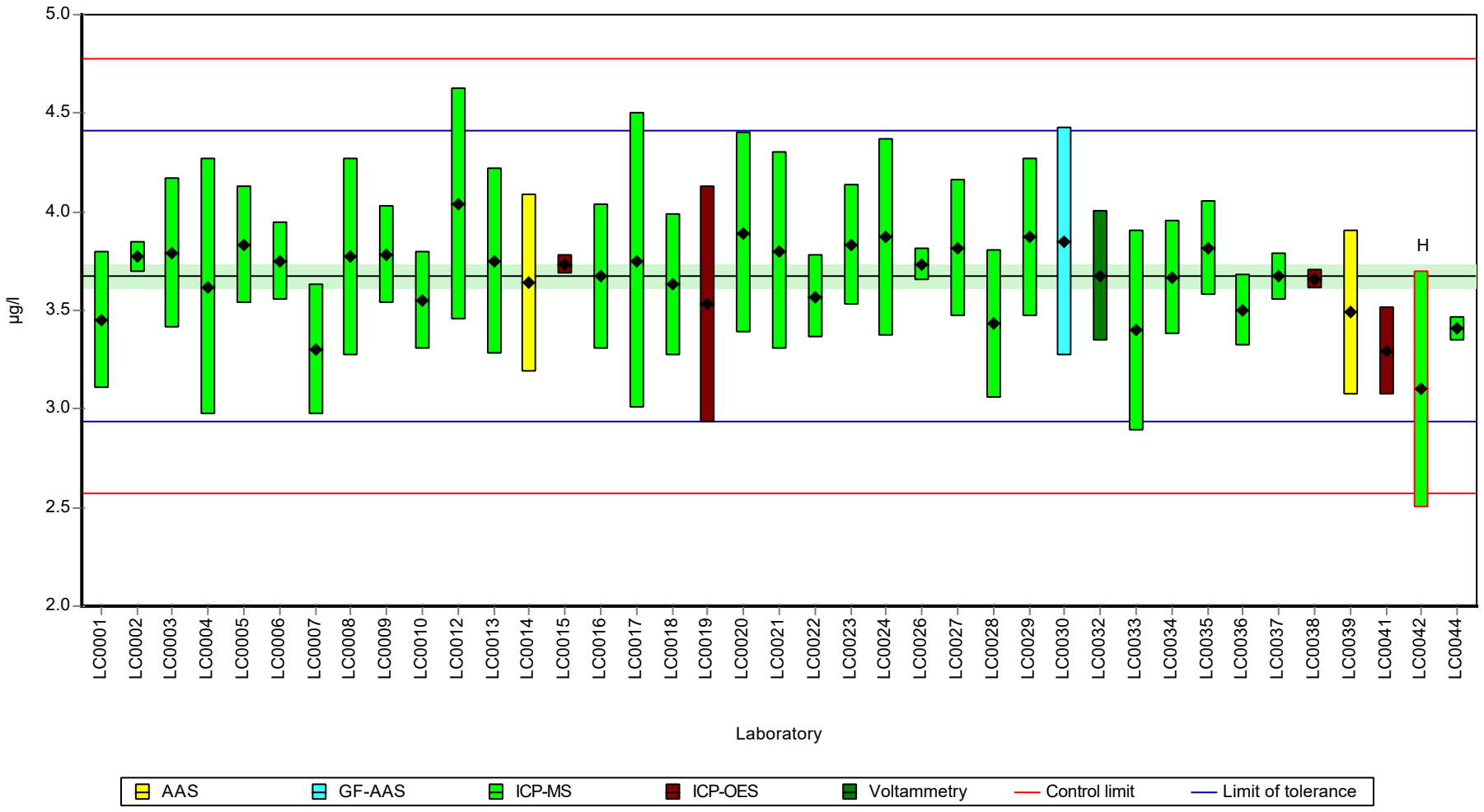
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	3.1	0.6	84.4	-1.56	H
LC0043	-	-	-	-	
LC0044	3.405	0.0601	92.7	-0.73	

Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	3.66 ± 0.0934	3.67 ± 0.0846	µg/l
Minimum	3.1	3.3	µg/l
Maximum	4.04	4.04	µg/l
Standard deviation	0.194	0.174	µg/l
rel. standard deviation	5.32	4.73	%
n	39	38	-

Graphical presentation of results

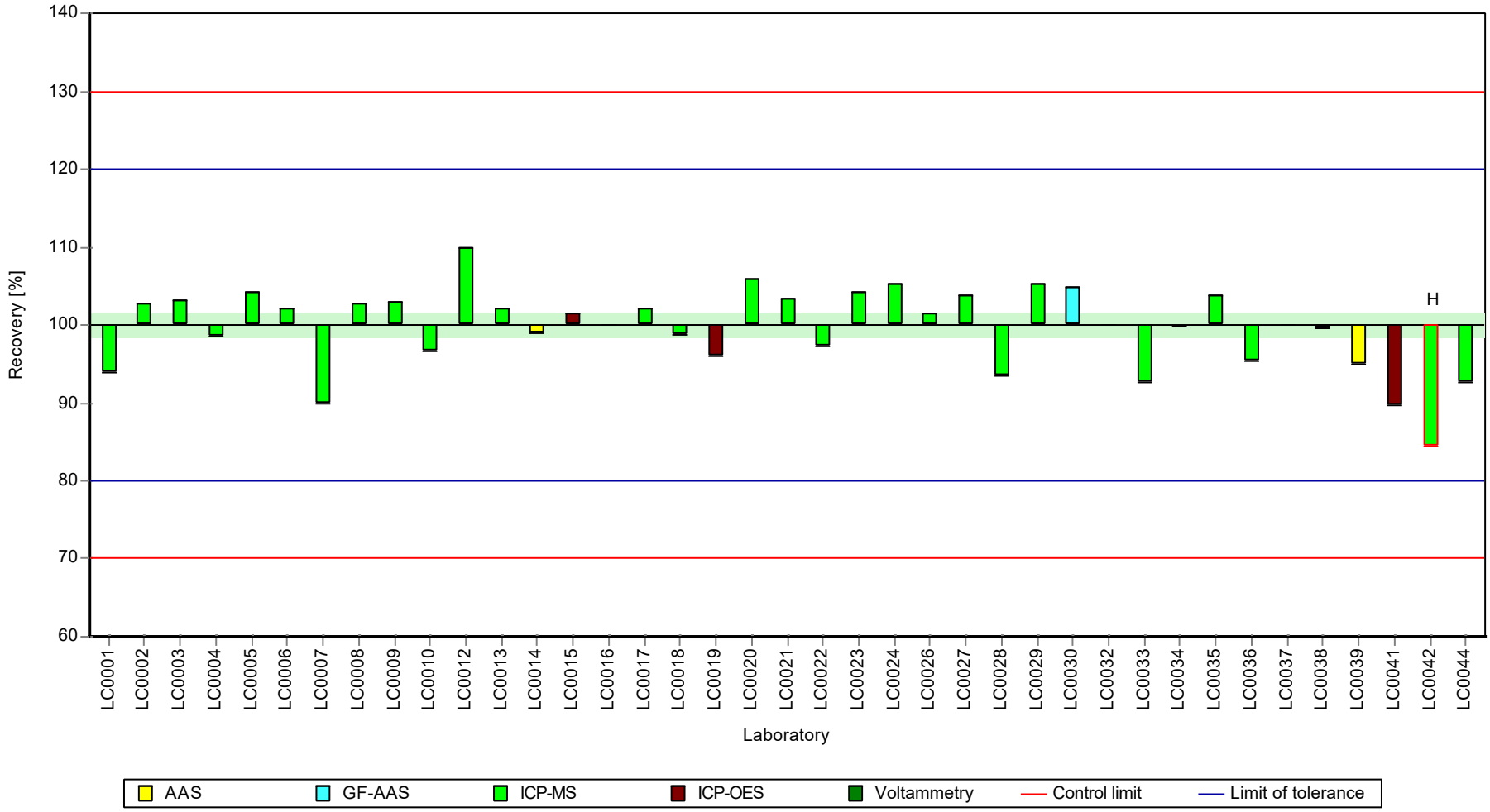
Results

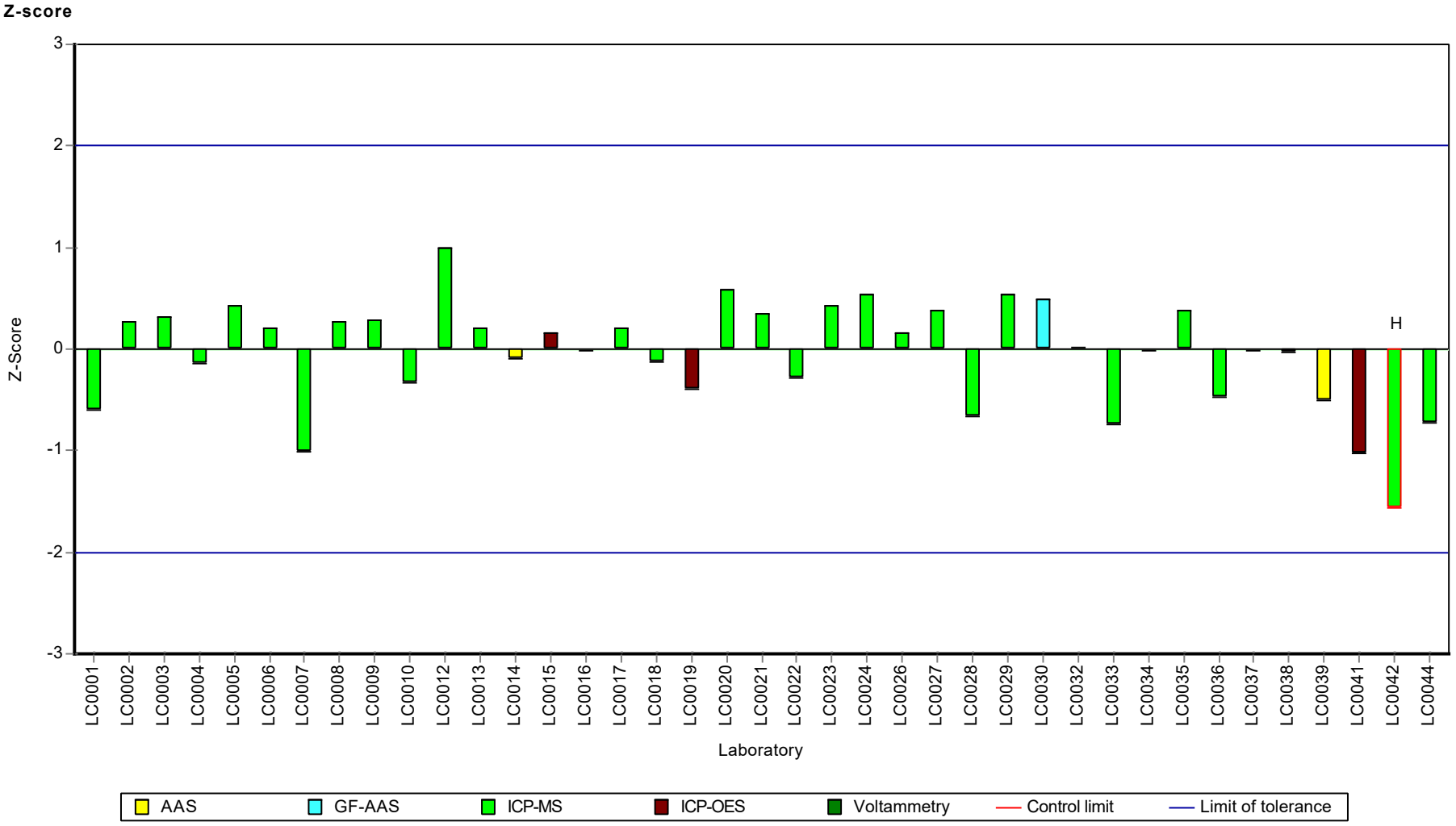


Parameter oriented report Metals and trace elements M160

Sample: M160B, Parameter: Cadmium

Recovery rate




Z-score
Z-Score
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2
1
0
-1
-2
-3
H
LC0001
LC0002
LC0003
LC0004
LC0005
LC0006
LC0007
LC0008
LC0009
LC0010
LC0012
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LC0014
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LC0029
LC0030
LC0032
LC0033
LC0034
LC0035
LC0036
LC0037
LC0038
LC0039
LC0041
LC0042
LC0044
Laboratory
AAS
GF-AAS
ICP-MS
ICP-OES
Voltammetry
Control limit
Limit of tolerance

Parameter oriented report

M160 A

Chromium

Unit	µg/l
Assigned value ± U (k=2)	3.8 ± 0.0928
Criterion	0.323 (8.5 %)
Minimum - Maximum	3.27 - 4.5
Control test value ± U (k=2)	3.870 ± 0.425

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	4.24	0.635	111	1.35	
LC0002	3.38	0.91	88.9	-1.31	
LC0003	3.76	0.38	98.8	-0.14	
LC0004	3.98	0.95	105	0.55	
LC0005	4.5	0.5	118	2.15	
LC0006	5.41	0.27	142	4.97	H
LC0007	3.44	0.34	90.4	-1.13	
LC0008	3.6	0.33	94.6	-0.63	
LC0009	3.27	0.3	86	-1.65	
LC0010	3.83	0.27	101	0.08	
LC0011	-	-	-	-	
LC0012	3.96	0.4	104	0.48	
LC0013	5.78	0.21	152	6.11	H
LC0014	-	-	-	-	
LC0015	4.65	0.93	122	2.62	H
LC0016	3.72	0.37	97.8	-0.26	
LC0017	4.025	0.805	106	0.68	
LC0018	3.729	0.37	98	-0.23	
LC0019	3.55	0.4	93.3	-0.79	
LC0020	3.7	0.6	97.3	-0.32	
LC0021	4.2	0.6	110	1.23	
LC0022	3.85	0.202	101	0.14	
LC0023	4	0.48	105	0.61	
LC0024	3.47	0.347	91.2	-1.03	
LC0025	-	-	-	-	
LC0026	3.84	0.115	101	0.11	
LC0027	3.801	0.6648	99.9	-0.01	
LC0028	3.96	0.317	104	0.48	
LC0029	3.99	0.2	105	0.58	
LC0030	3.72	0.56	97.8	-0.26	
LC0031	-	-	-	-	
LC0032	-	-	-	-	
LC0033	3.86	0.58	101	0.17	
LC0034	3.8	0.54	99.9	-0.01	
LC0035	3.727	0.335	98	-0.24	
LC0036	10.2	1.2	268	19.8	H
LC0037	4.77	0.25	125	2.99	H
LC0038	3.98	0.1	105	0.55	
LC0039	3.64	0.77	95.7	-0.51	
LC0040	-	-	-	-	
LC0041	3.815	0.28	100	0.03	

Parameter oriented report Metals and trace elements
M160

Sample: M160A, Parameter: Chromium

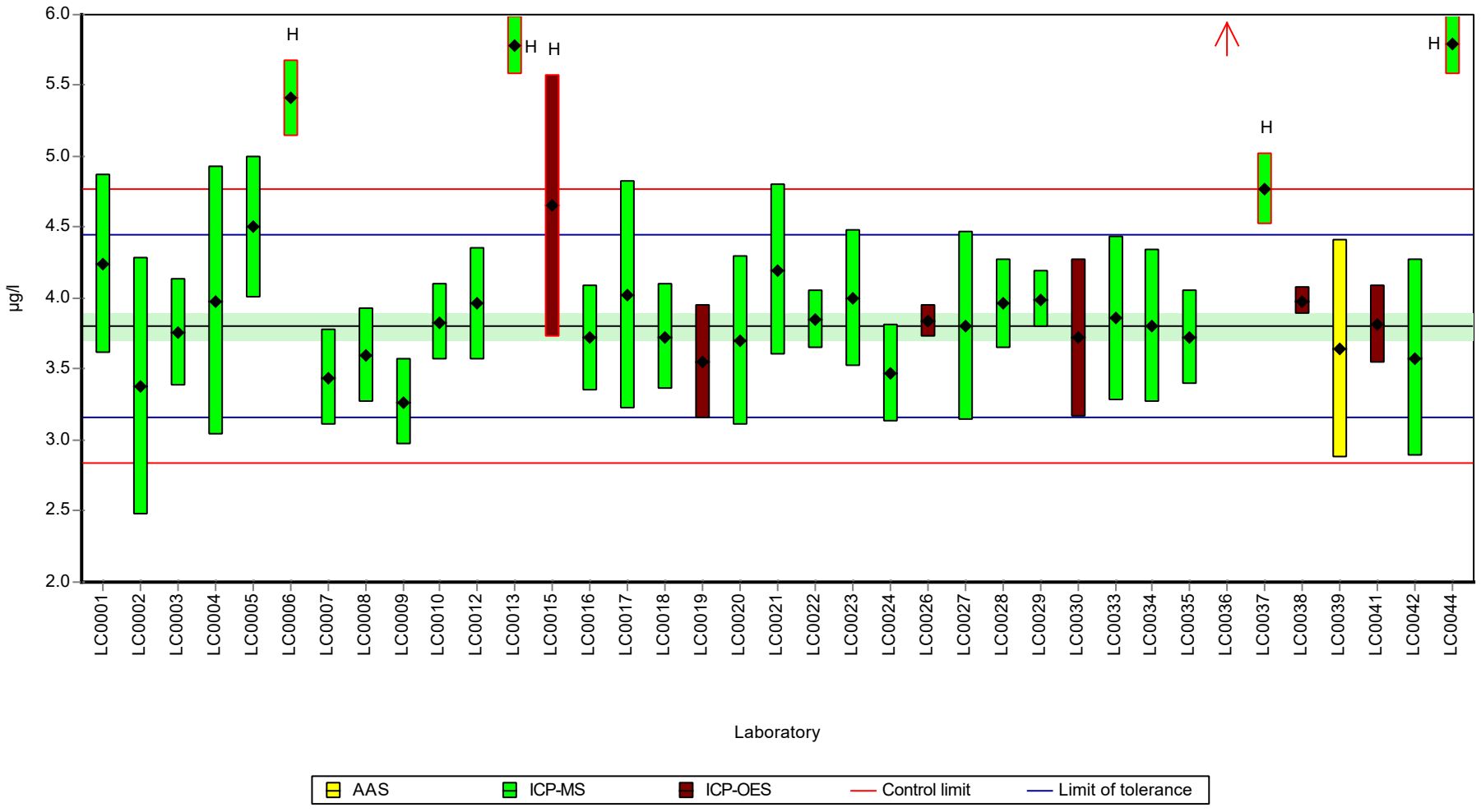
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	3.58	0.7	94.1	-0.69	
LC0043	-	-	-	-	
LC0044	5.795	0.2248	152	6.16	H

Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	4.18 ± 0.581	3.8 ± 0.139	µg/l
Minimum	3.27	3.27	µg/l
Maximum	10.2	4.5	µg/l
Standard deviation	1.18	0.258	µg/l
rel. standard deviation	28.2	6.79	%
n	37	31	-

Graphical presentation of results

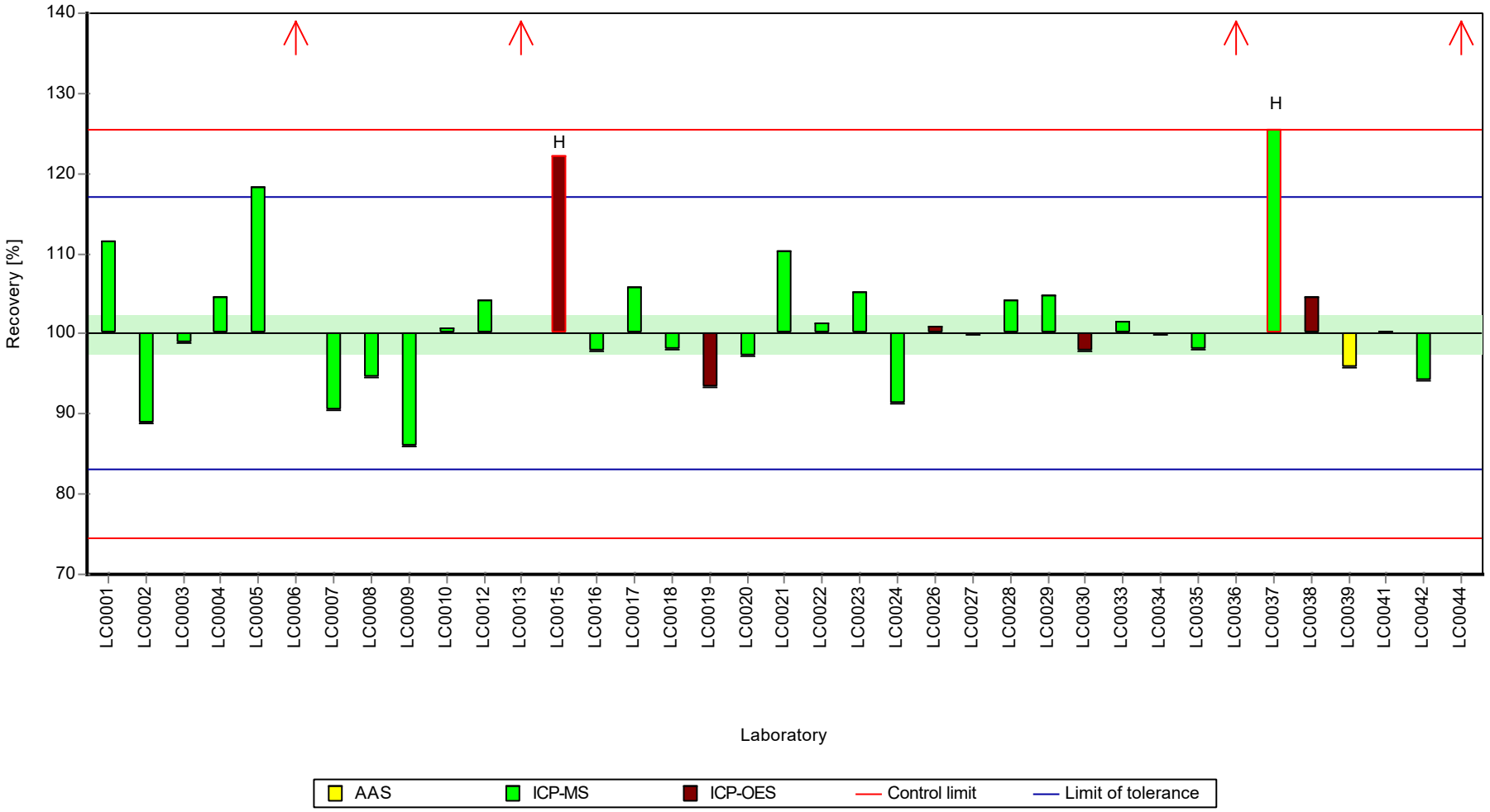
Results

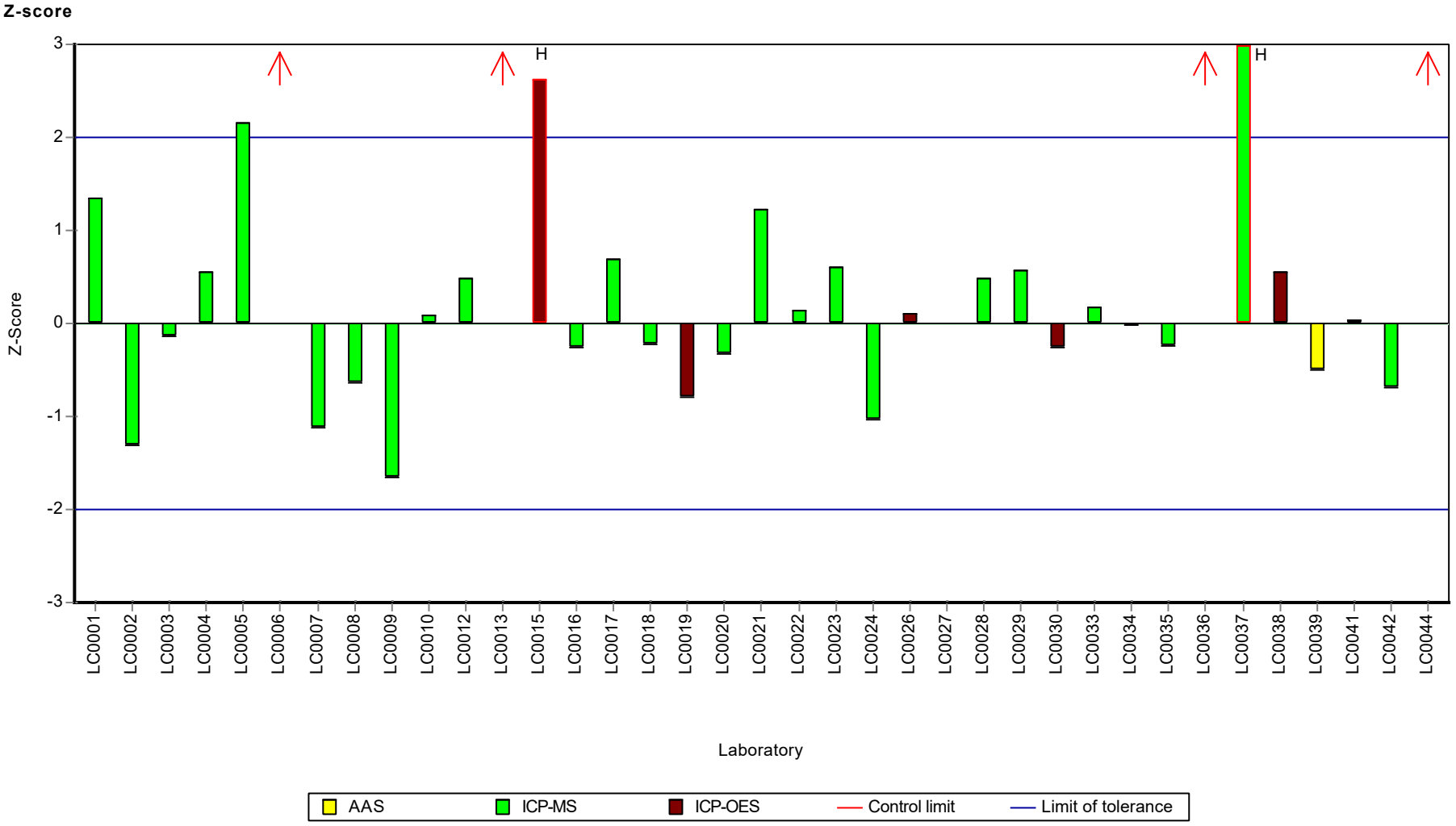


Parameter oriented report Metals and trace elements M160

Sample: M160A, Parameter: Chromium

Recovery rate




Z-score
Z-Score
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2
1
0
-1
-2
-3
H
H
LC0001
LC0002
LC0003
LC0004
LC0005
LC0006
LC0007
LC0008
LC0009
LC0010
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LC0030
LC0033
LC0034
LC0035
LC0036
LC0037
LC0038
LC0039
LC0041
LC0042
LC0044
Laboratory
AAS
ICP-MS
ICP-OES
Control limit
Limit of tolerance

Parameter oriented report

M160 B

Chromium

Unit	µg/l
Assigned value ± U (k=2)	2.21 ± 0.0559
Criterion	0.188 (8.5 %)
Minimum - Maximum	1.84 - 2.64
Control test value ± U (k=2)	2.080 ± 0.229

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	2.32	0.232	105	0.6	
LC0002	1.98	0.48	89.7	-1.21	
LC0003	2.15	0.21	97.4	-0.31	
LC0004	2.2	0.75	99.7	-0.04	
LC0005	2.45	0.5	111	1.29	
LC0006	2.64	0.13	120	2.3	
LC0007	1.84	0.18	83.3	-1.96	
LC0008	2.08	0.19	94.2	-0.68	
LC0009	2.27	0.3	103	0.33	
LC0010	2.21	0.15	100	0.01	
LC0011	-	-	-	-	
LC0012	2.06	0.21	93.3	-0.79	
LC0013	2.26	0.084	102	0.28	
LC0014	-	-	-	-	
LC0015	2.5	0.2	113	1.56	
LC0016	2.15	0.22	97.4	-0.31	
LC0017	2.17	0.43	98.3	-0.2	
LC0018	2.115	0.21	95.8	-0.49	
LC0019	2.05	0.3	92.9	-0.84	
LC0020	2.2	0.4	99.7	-0.04	
LC0021	2.3	0.3	104	0.49	
LC0022	2.25	0.175	102	0.23	
LC0023	2.3	0.276	104	0.49	
LC0024	2.02	0.202	91.5	-1	
LC0025	-	-	-	-	
LC0026	2.24	0.212	101	0.17	
LC0027	2.098	0.3669	95	-0.58	
LC0028	2.19	0.461	99.2	-0.09	
LC0029	2.26	0.2	102	0.28	
LC0030	0.976	0.146	44.2	-6.56	H
LC0031	-	-	-	-	
LC0032	-	-	-	-	
LC0033	2.34	0.35	106	0.7	
LC0034	2.073	0.29	93.9	-0.72	
LC0035	2.107	0.189	95.4	-0.54	
LC0036	4.7	0.55	213	13.3	H
LC0037	2.28	0.017	103	0.39	
LC0038	2.22	0.1	101	0.07	
LC0039	2.08	0.44	94.2	-0.68	
LC0040	-	-	-	-	
LC0041	2.182	0.16	98.8	-0.14	

Parameter oriented report Metals and trace elements M160

Sample: M160B, Parameter: Chromium

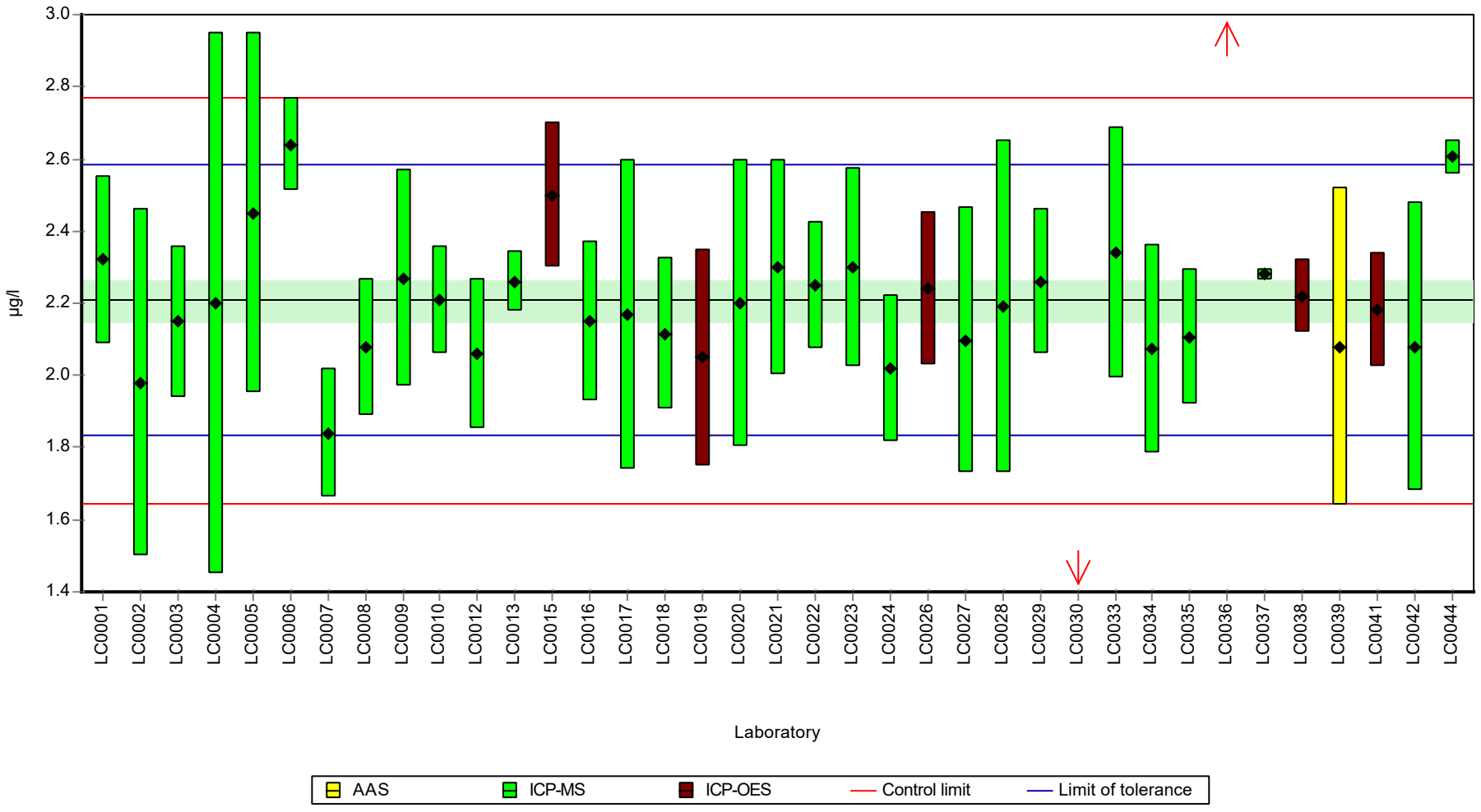
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	2.08	0.4	94.2	-0.68	
LC0043	-	-	-	-	
LC0044	2.605	0.0467	118	2.12	

Characteristics of parameter

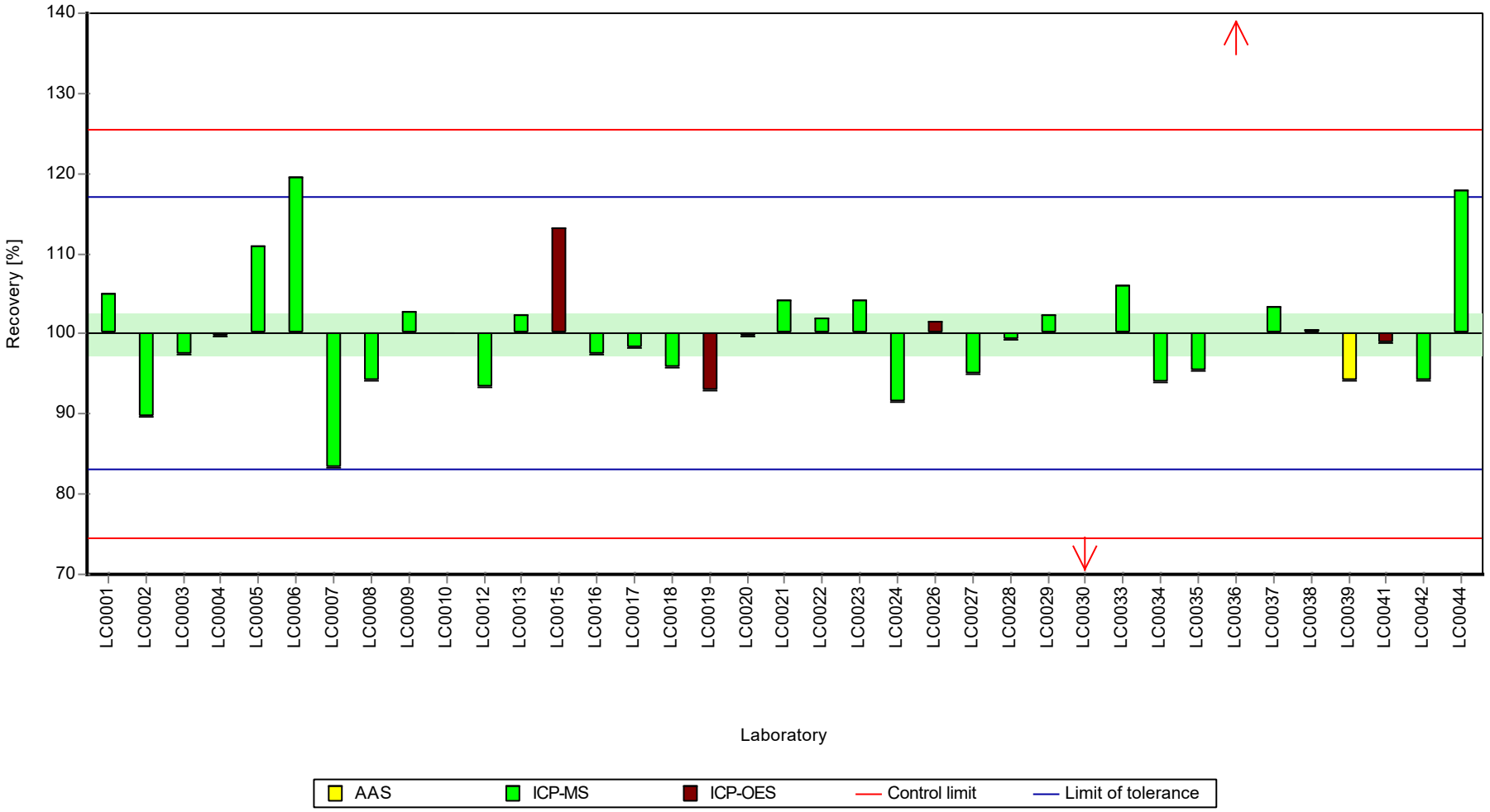
	all results	without outliers	Unit
Mean ± CI (99%)	2.24 ± 0.241	2.21 ± 0.0838	µg/l
Minimum	0.976	1.84	µg/l
Maximum	4.7	2.64	µg/l
Standard deviation	0.489	0.165	µg/l
rel. standard deviation	21.8	7.49	%
n	37	35	-

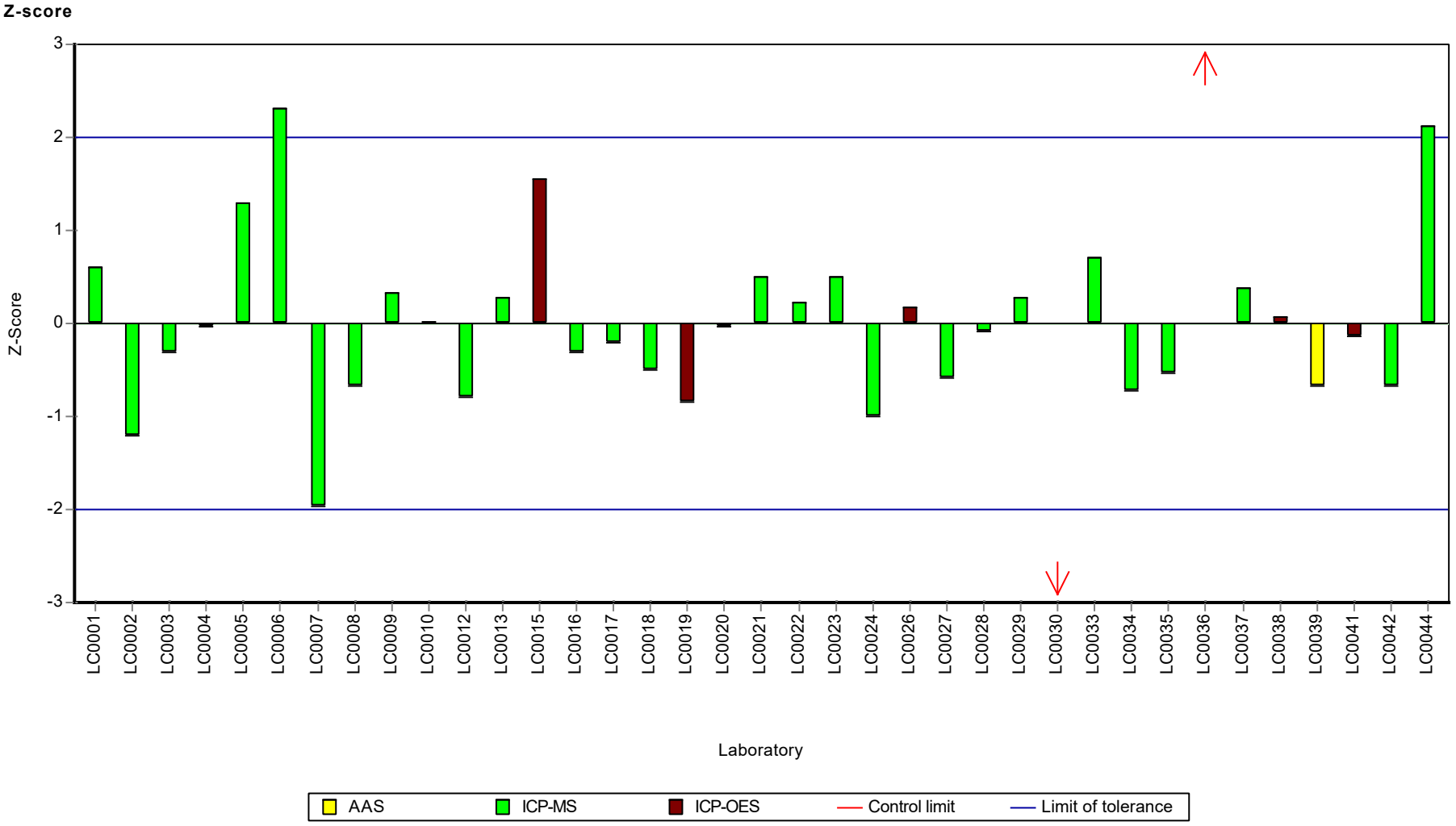
Graphical presentation of results

Results



Recovery rate




Z-score
Z-Score
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2
1
0
-1
-2
-3
LC0001
LC0002
LC0003
LC0004
LC0005
LC0006
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LC0034
LC0035
LC0036
LC0037
LC0038
LC0039
LC0041
LC0042
LC0044
Laboratory
AAS
ICP-MS
ICP-OES
Control limit
Limit of tolerance

Parameter oriented report

M160 A

Copper

Unit	µg/l
Assigned value ± U (k=2)	9.22 ± 0.241
Criterion	0.829 (9 %)
Minimum - Maximum	8.04 - 10.9
Control test value ± U (k=2)	8.980 ± 0.898

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	9.65	1.45	105	0.52	
LC0002	8.04	0.27	87.2	-1.42	
LC0003	8.36	0.84	90.7	-1.03	
LC0004	-	-	-	-	
LC0005	9.6	1	104	0.46	
LC0006	10.1	0.5	110	1.07	
LC0007	6.27	0.63	68	-3.55	H
LC0008	8.29	1.32	90	-1.12	
LC0009	4.95	0.5	53.7	-5.14	H
LC0010	8.95	0.63	97.1	-0.32	
LC0011	19	5	206	11.8	H
LC0012	9.81	1.26	106	0.72	
LC0013	9.17	0.88	99.5	-0.06	
LC0014	9.2314	0.9499	100	0.02	
LC0015	10.7	0.5	116	1.79	
LC0016	8.66	0.87	94	-0.67	
LC0017	9.88	1.98	107	0.8	
LC0018	9.11	0.91	98.9	-0.13	
LC0019	10.9	1	118	2.03	
LC0020	9.2	1.1	99.8	-0.02	
LC0021	9.2	2	99.8	-0.02	
LC0022	9.32	3.05	101	0.13	
LC0023	9.4	0.752	102	0.22	
LC0024	9.1	1.36	98.7	-0.14	
LC0025	< 10 (LOQ)	-199.8	-	-	
LC0026	9.28	0.106	101	0.08	
LC0027	8.035	1.547	87.2	-1.42	
LC0028	8.07	0.565	87.6	-1.38	
LC0029	9.71	0.5	105	0.6	
LC0030	13.5	2.03	146	5.17	H
LC0031	-	-	-	-	
LC0032	9.518	0.66	103	0.36	
LC0033	8.28	1.24	89.8	-1.13	
LC0034	9.107	0.5	98.8	-0.13	
LC0035	8.537	0.596	92.6	-0.82	
LC0036	10	0.93	109	0.95	
LC0037	9.46	0.1	103	0.29	
LC0038	9.88	0.1	107	0.8	
LC0039	9	0.73	97.7	-0.26	
LC0040	-	-	-	-	
LC0041	9.893	0.68	107	0.82	

Parameter oriented report Metals and trace elements
M160

Sample: M160A, Parameter: Copper

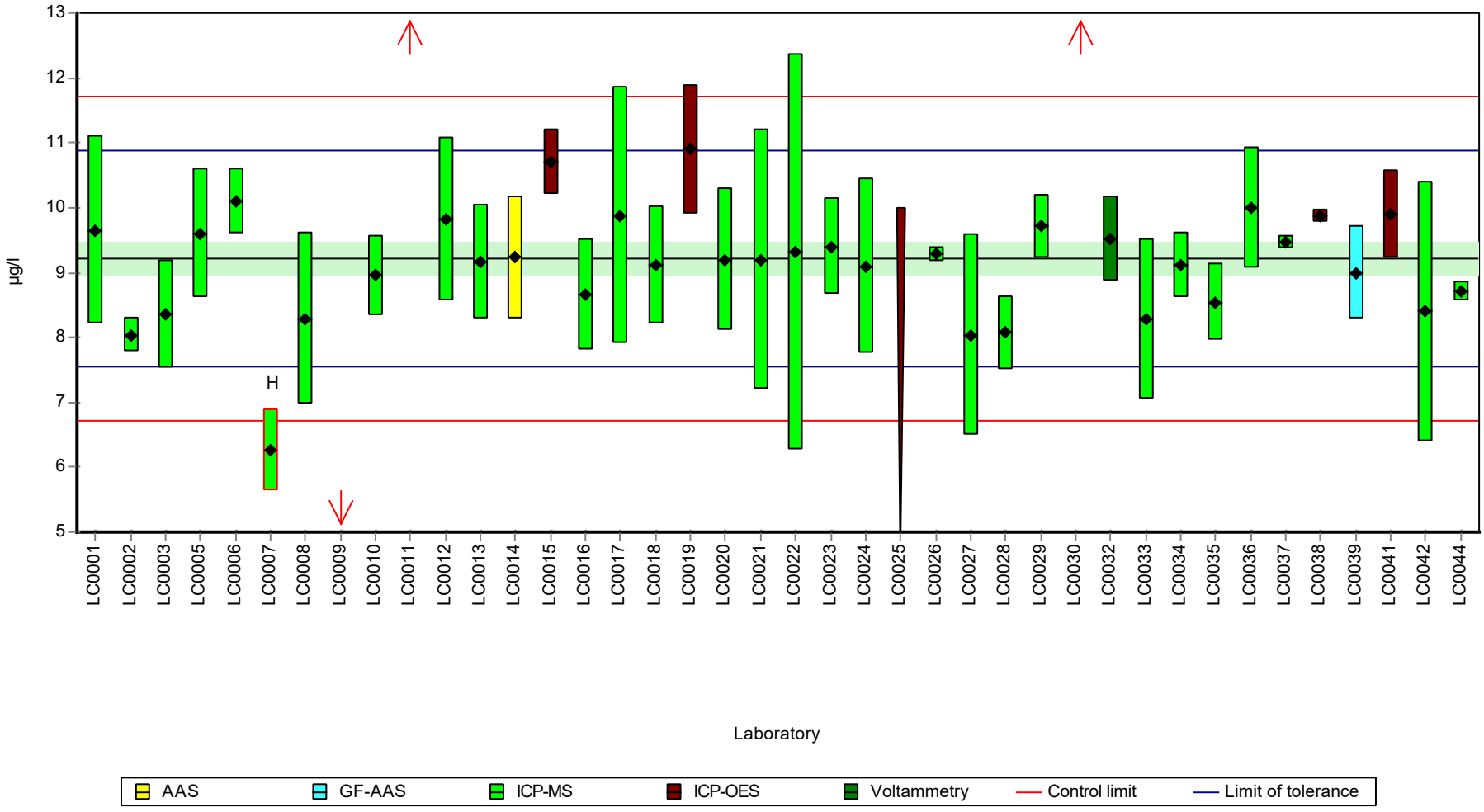
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	8.4	2	91.1	-0.98	
LC0043	-	-	-	-	
LC0044	8.711	0.1458	94.5	-0.61	

Characteristics of parameter

	all results	without outliers	Unit
Mean ± Cl (99%)	9.39 ± 0.977	9.22 ± 0.362	µg/l
Minimum	4.95	8.04	µg/l
Maximum	19	10.9	µg/l
Standard deviation	2.03	0.714	µg/l
rel. standard deviation	21.6	7.74	%
n	39	35	-

Graphical presentation of results

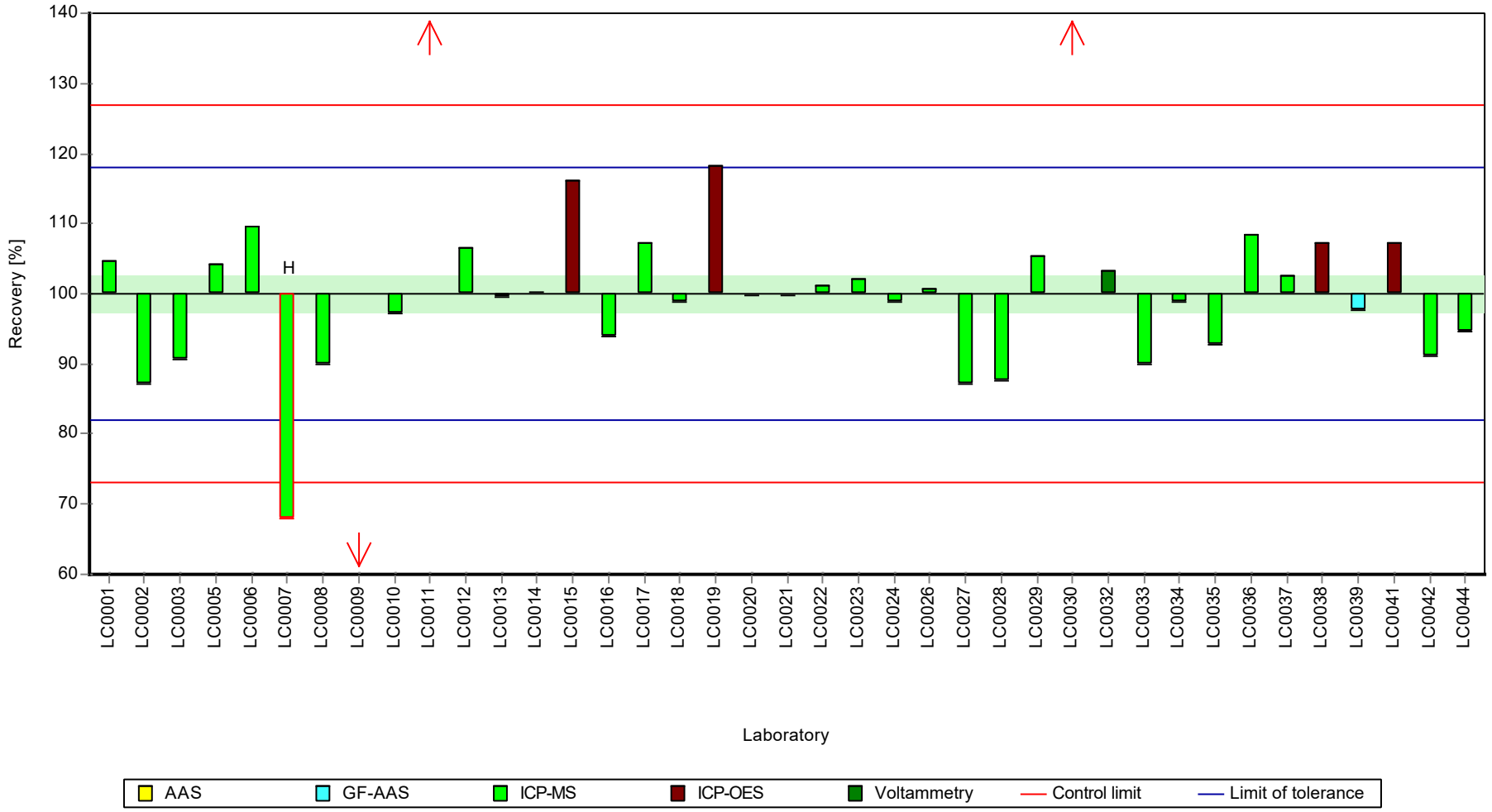
Results

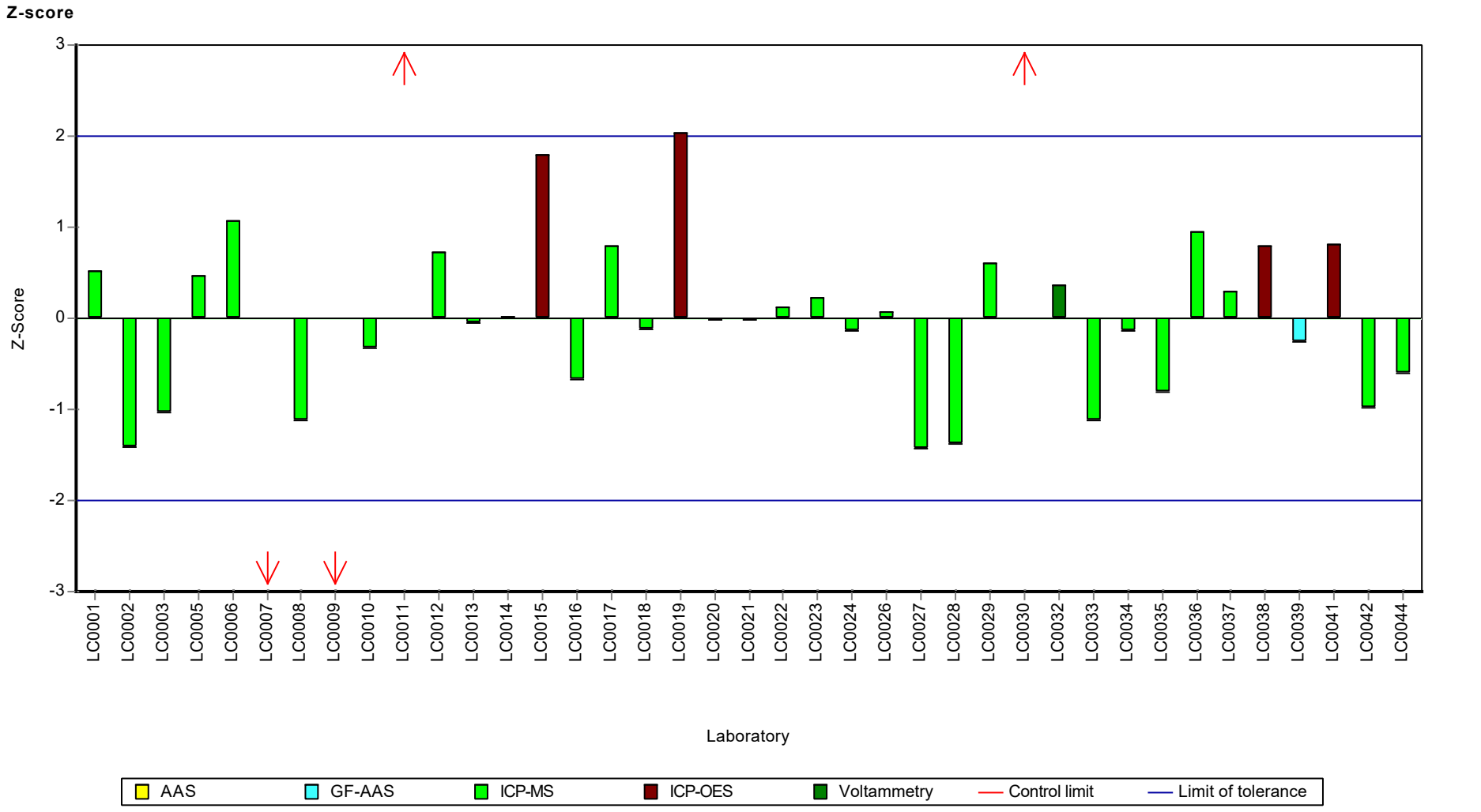


Parameter oriented report Metals and trace elements M160

Sample: M160A, Parameter: Copper

Recovery rate




Z-score
Z-Score
3
2
1
0
-1
-2
-3
LC0001
LC0002
LC0003
LC0005
LC0006
LC0007
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LC0036
LC0037
LC0038
LC0039
LC0041
LC0042
LC0044
Laboratory
AAS
GF-AAS
ICP-MS
ICP-OES
Voltammetry
Control limit
Limit of tolerance

Parameter oriented report

M160 B

Copper

Unit	µg/l
Assigned value ± U (k=2)	60.4 ± 0.94
Criterion	5.44 (9 %)
Minimum - Maximum	54.9 - 66.9
Control test value ± U (k=2)	58.30 ± 5.83

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	64.2	9.63	106	0.7	
LC0002	55.72	0.54	92.2	-0.86	
LC0003	56.2	5.6	93	-0.77	
LC0004	-	-	-	-	
LC0005	62	8	103	0.29	
LC0006	61.8	3.2	102	0.26	
LC0007	39	3.9	64.6	-3.94	H
LC0008	55.8	8.86	92.4	-0.85	
LC0009	42.94	1.5	71.1	-3.21	H
LC0010	61.2	4.28	101	0.15	
LC0011	83	5	137	4.16	H
LC0012	65.07	8.37	108	0.86	
LC0013	58.2	5.6	96.4	-0.41	
LC0014	60.777	6.2539	101	0.07	
LC0015	64.7	0.6	107	0.79	
LC0016	57	5.7	94.4	-0.63	
LC0017	62.2	12.4	103	0.33	
LC0018	60.3	6	99.8	-0.02	
LC0019	59.3	6	98.2	-0.2	
LC0020	61.2	7.6	101	0.15	
LC0021	61	10	101	0.11	
LC0022	66.9	0.395	111	1.2	
LC0023	62.1	4.968	103	0.31	
LC0024	60	9	99.3	-0.07	
LC0025	61	11	101	0.11	
LC0026	60.6	1.25	100	0.04	
LC0027	54.89	10.566	90.9	-1.01	
LC0028	53.7	6.97	88.9	-1.23	H
LC0029	64.2	3.2	106	0.7	
LC0030	59.3	8.89	98.2	-0.2	
LC0031	-	-	-	-	
LC0032	60.74	4.2	101	0.06	
LC0033	60.9	9.13	101	0.09	
LC0034	59.63	3.3	98.7	-0.14	
LC0035	55.943	3.9	92.6	-0.82	
LC0036	60	5.58	99.3	-0.07	
LC0037	60.9	0.058	101	0.09	
LC0038	61.4	0.1	102	0.18	
LC0039	62	5.02	103	0.29	
LC0040	-	-	-	-	
LC0041	61.88	4.27	102	0.27	

Parameter oriented report Metals and trace elements
M160

Sample: M160B, Parameter: Copper

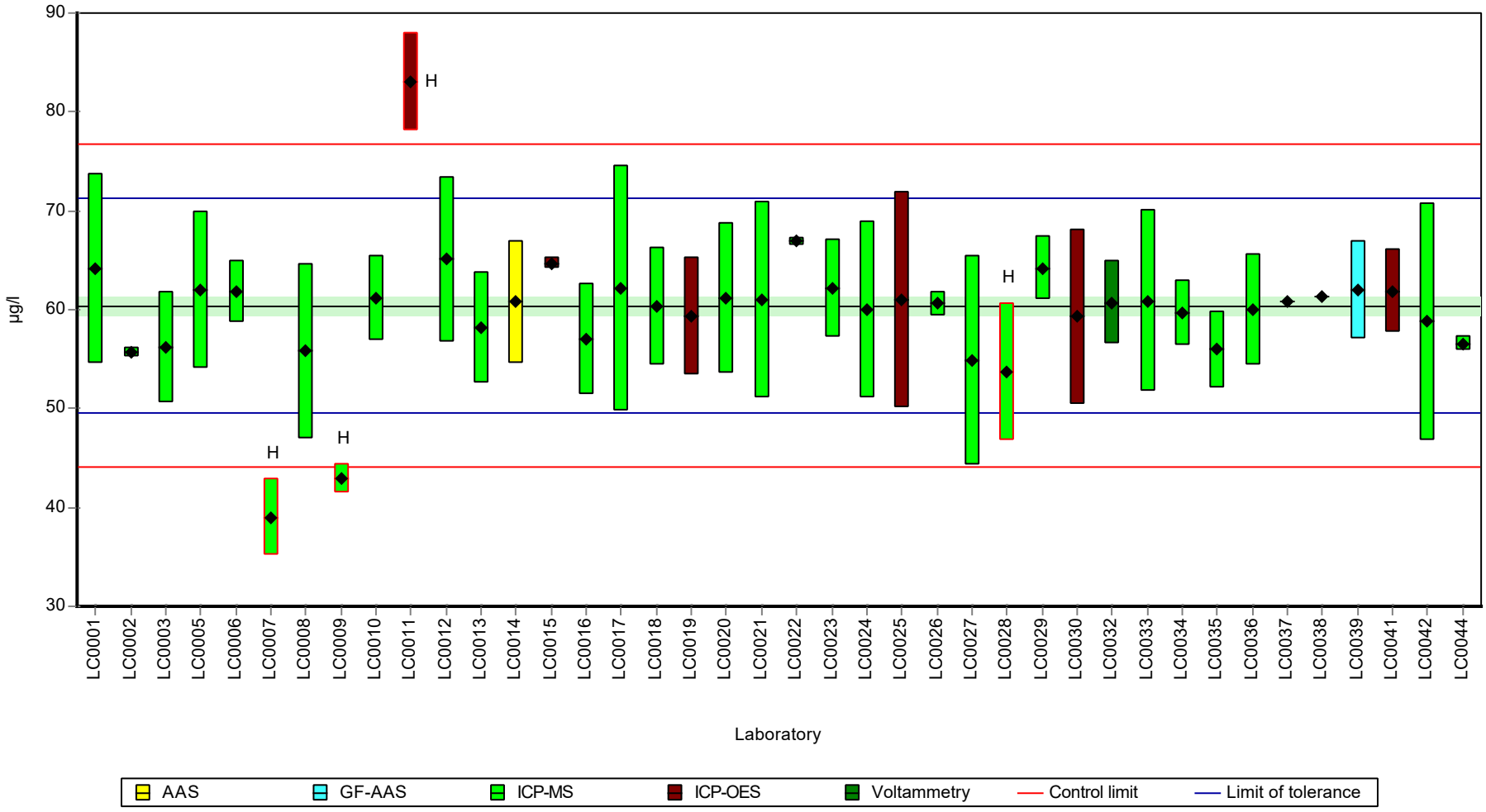
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	58.8	12	97.3	-0.29	
LC0043	-	-	-	-	
LC0044	56.591	0.7639	93.7	-0.7	

Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	59.8 ± 3.02	60.4 ± 1.41	µg/l
Minimum	39	54.9	µg/l
Maximum	83	66.9	µg/l
Standard deviation	6.37	2.82	µg/l
rel. standard deviation	10.7	4.67	%
n	40	36	-

Graphical presentation of results

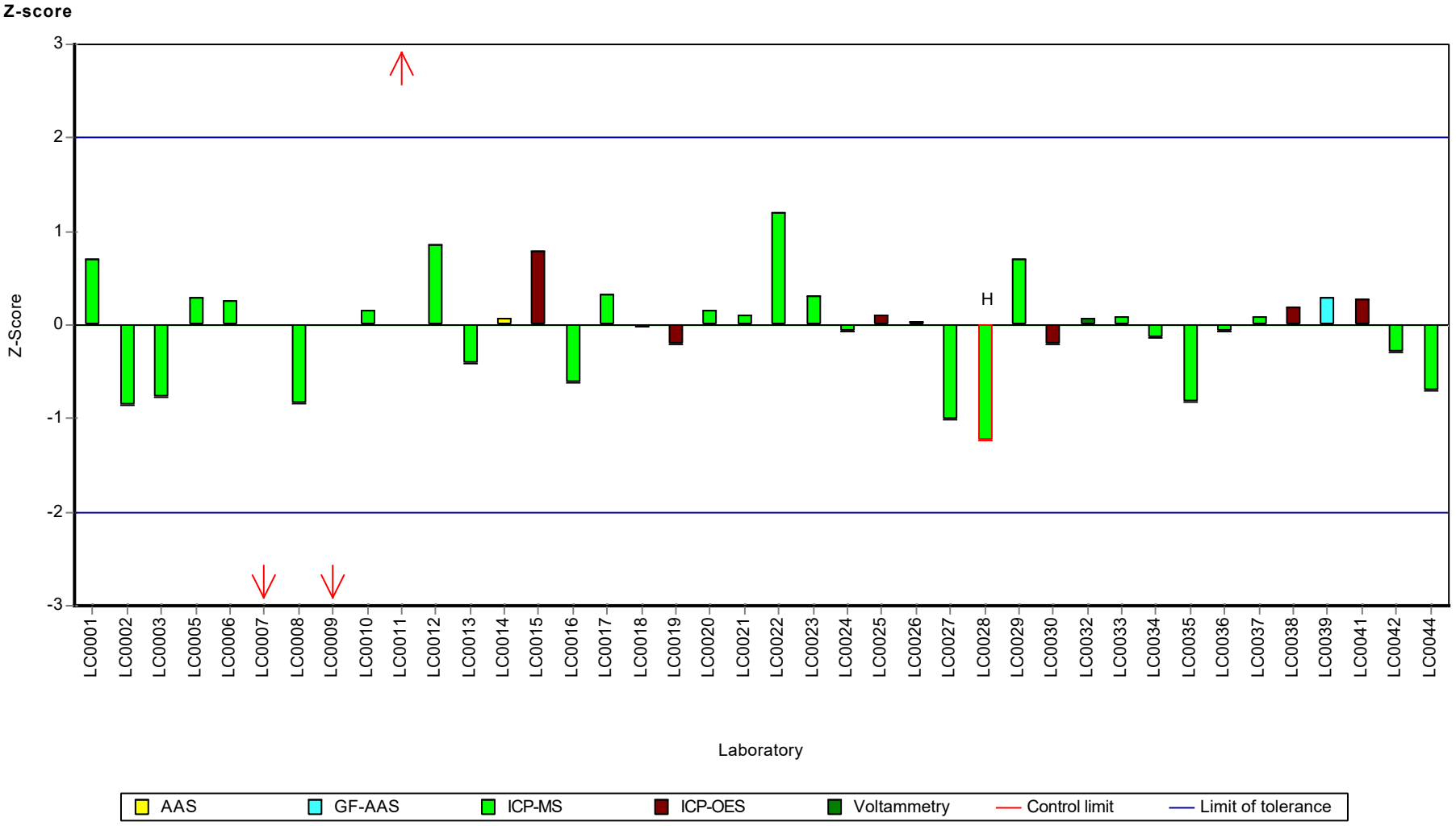
Results



Parameter oriented report Metals and trace elements M160

Sample: M160B, Parameter: Copper

Recovery rate


Z-score
Z-Score
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0
-1
-2
-3
H
LC0001
LC0002
LC0003
LC0005
LC0006
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LC0035
LC0036
LC0037
LC0038
LC0039
LC0041
LC0042
LC0044
Laboratory
AAS
GF-AAS
ICP-MS
ICP-OES
Voltammetry
Control limit
Limit of tolerance

Parameter oriented report

M160 A

Iron

Unit	µg/l
Assigned value ± U (k=2)	54 ± 1.38
Criterion	5.94 (11 %)
Minimum - Maximum	48 - 63.1
Control test value ± U (k=2)	52.90 ± 5.82

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	63	6.3	117	1.51	
LC0002	50.64	2.14	93.7	-0.57	
LC0003	51.4	5.1	95.1	-0.44	
LC0004	51.5	7.4	95.3	-0.43	
LC0005	66	8	122	2.01	H
LC0006	63.1	3.8	117	1.53	
LC0007	48.6	4.9	89.9	-0.91	
LC0008	48.77	9.41	90.3	-0.89	
LC0009	15.35	1.5	28.4	-6.51	H
LC0010	53	3.71	98.1	-0.17	
LC0011	59.5	4	110	0.92	
LC0012	58.78	5.98	109	0.8	
LC0013	68.9	2.1	128	2.5	H
LC0014	-	-	-	-	
LC0015	53.7	3.2	99.4	-0.06	
LC0016	55.4	5.5	103	0.23	
LC0017	52.7	10.5	97.5	-0.22	
LC0018	52.42	5.2	97	-0.27	
LC0019	49.9	5	92.4	-0.69	
LC0020	53.1	5.5	98.3	-0.16	
LC0021	58.7	8	109	0.79	
LC0022	52.9	1.89	97.9	-0.19	
LC0023	57	14.82	105	0.5	
LC0024	51	7.7	94.4	-0.51	
LC0025	51	9	94.4	-0.51	
LC0026	51.2	0.896	94.8	-0.48	
LC0027	58.72	9.131	109	0.79	
LC0028	53.7	9.67	99.4	-0.06	
LC0029	53.6	3.3	99.2	-0.07	
LC0030	53.2	7.98	98.5	-0.14	
LC0031	51.54	5.154	95.4	-0.42	
LC0032	-	-	-	-	
LC0033	55.5	8.32	103	0.25	
LC0034	53.6	5.9	99.2	-0.07	
LC0035	50.152	3.861	92.8	-0.65	
LC0036	42	5	77.7	-2.02	H
LC0037	62.1	1.8	115	1.36	
LC0038	55.5	0.3	103	0.25	
LC0039	54.11	6.74	100	0.01	
LC0040	-	-	-	-	
LC0041	10	0.65	18.5	-7.41	H

Parameter oriented report Metals and trace elements
M160

Sample: M160A, Parameter: Iron

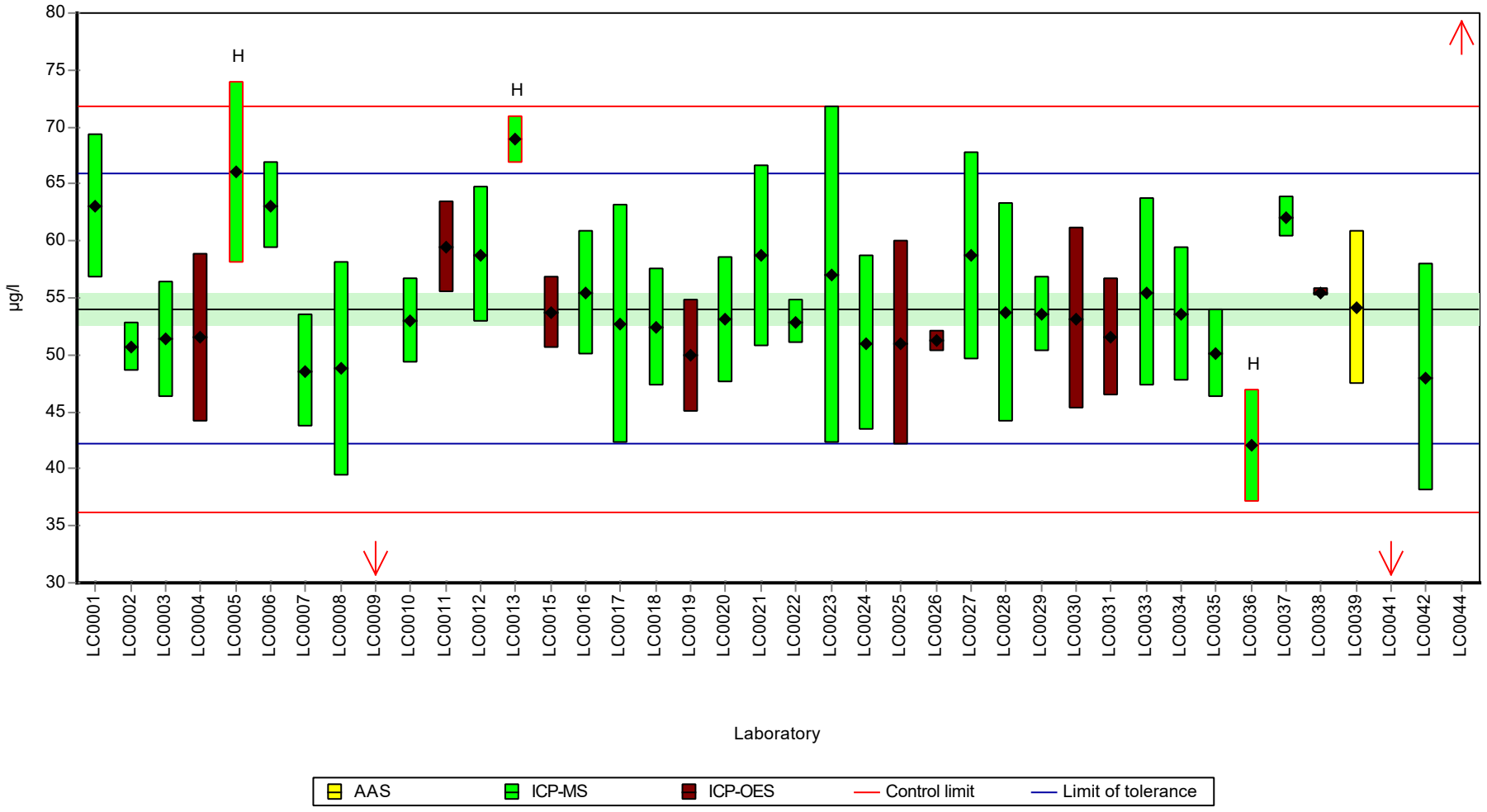
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	48	10	88.8	-1.01	
LC0043	-	-	-	-	
LC0044	641.08	14.83	1190	98.8	H

Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	67 ± 44.4	54 ± 2.06	µg/l
Minimum	10	48	µg/l
Maximum	641	63.1	µg/l
Standard deviation	93.7	4.01	µg/l
rel. standard deviation	140	7.42	%
n	40	34	-

Graphical presentation of results

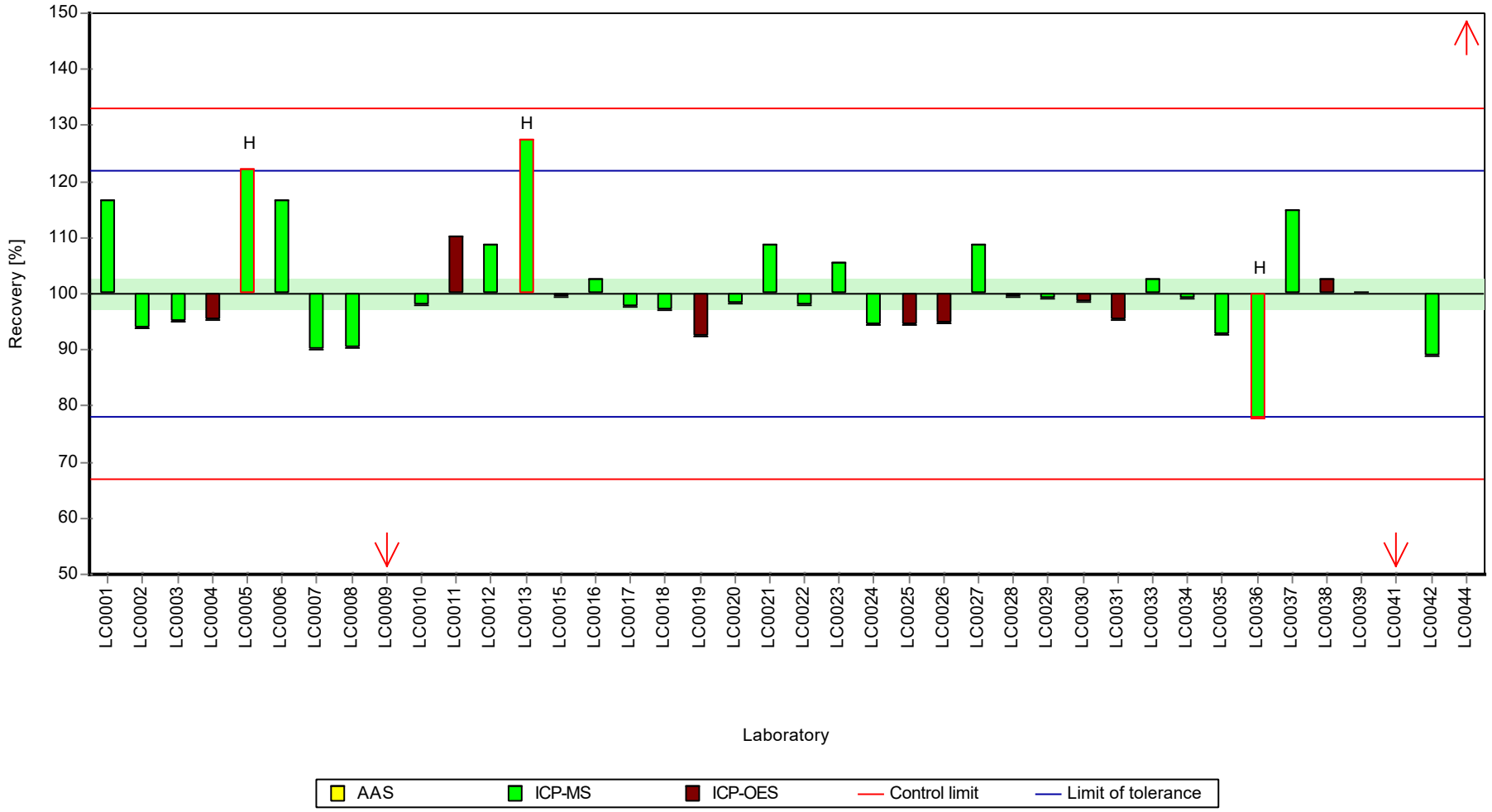
Results

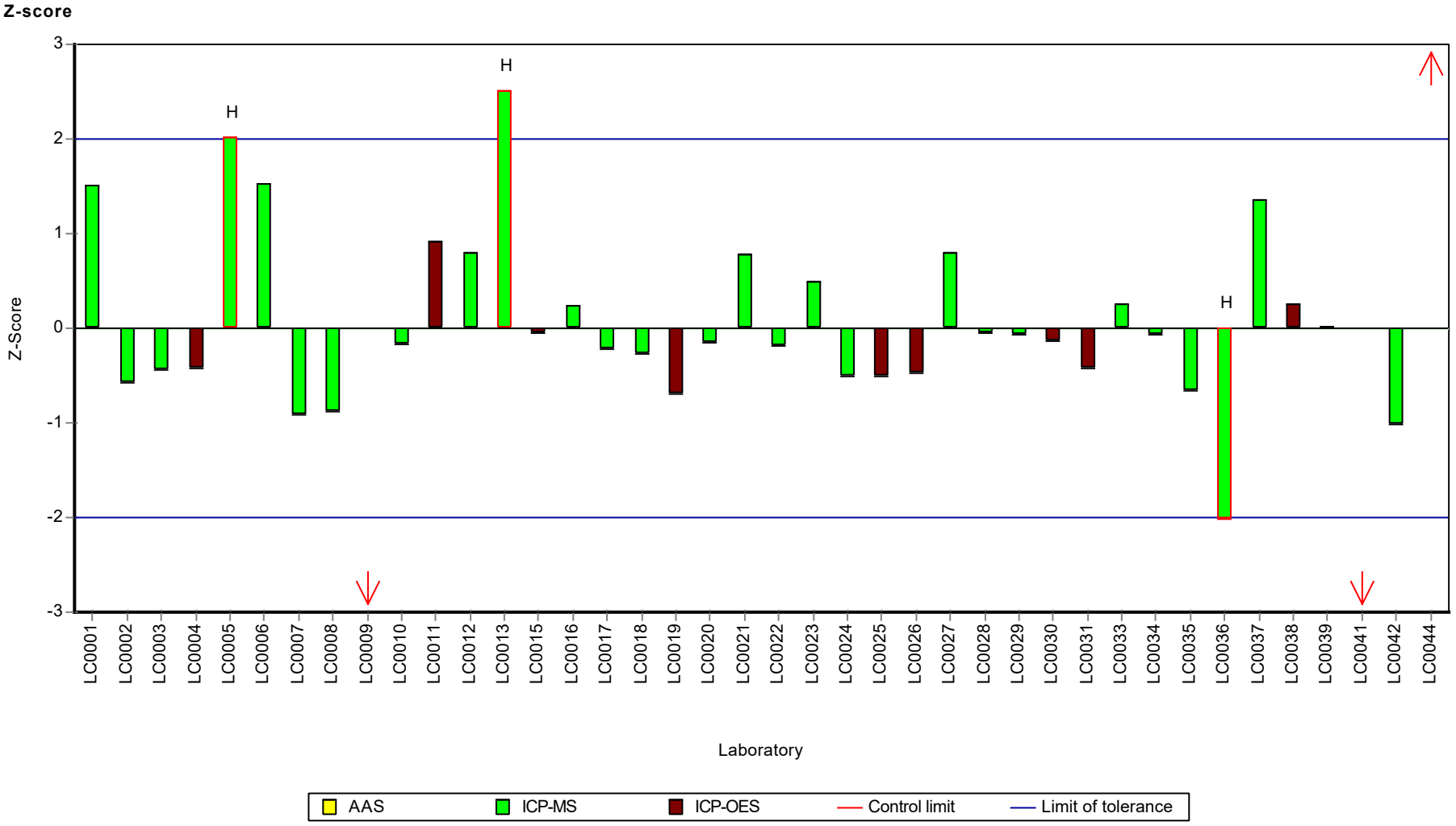


Parameter oriented report Metals and trace elements M160

Sample: M160A, Parameter: Iron

Recovery rate




Z-score
Z-Score
3
2
1
0
-1
-2
-3
H
H
H
LC0001
LC0002
LC0003
LC0004
LC0005
LC0006
LC0007
LC0008
LC0009
LC0010
LC0011
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LC0036
LC0037
LC0038
LC0039
LC0041
LC0042
LC0044
Laboratory
AAS
ICP-MS
ICP-OES
Control limit
Limit of tolerance

Parameter oriented report

M160 B

Iron

Unit	µg/l
Assigned value ± U (k=2)	113 ± 1.78
Criterion	12.4 (11 %)
Minimum - Maximum	102 - 125
Control test value ± U (k=2)	107.0 ± 11.8

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	120	12.05	106	0.57	
LC0002	108.53	12.48	96.1	-0.35	
LC0003	110	11	97.4	-0.23	
LC0004	110	14	97.4	-0.23	
LC0005	125	15	111	0.97	
LC0006	118	7	104	0.41	
LC0007	104	10.4	92.1	-0.72	
LC0008	103.87	20.04	92	-0.73	
LC0009	36.05	2.5	31.9	-6.19	H
LC0010	116	8.1	103	0.25	
LC0011	122	4	108	0.73	
LC0012	115.73	11.78	102	0.23	
LC0013	121	3.6	107	0.65	
LC0014	-	-	-	-	
LC0015	119	10	105	0.49	
LC0016	113	11	100	0.01	
LC0017	107	21	94.8	-0.48	
LC0018	113.5	11.4	101	0.05	
LC0019	107	10	94.8	-0.48	
LC0020	114	13	101	0.09	
LC0021	116	16	103	0.25	
LC0022	119	3.71	105	0.49	
LC0023	119	30.94	105	0.49	
LC0024	109	16.4	96.5	-0.32	
LC0025	106	19	93.9	-0.56	
LC0026	114	4.76	101	0.09	
LC0027	111.5	17.338	98.7	-0.11	
LC0028	110	29.7	97.4	-0.23	
LC0029	113	7	100	0.01	
LC0030	113	16.9	100	0.01	
LC0031	108.4	10.84	96	-0.36	
LC0032	-	-	-	-	
LC0033	117.3	17.6	104	0.35	
LC0034	113	13	100	0.01	
LC0035	106	8.16	93.9	-0.56	
LC0036	102	12.4	90.3	-0.88	
LC0037	118	2	104	0.41	
LC0038	111	0.3	98.3	-0.15	
LC0039	116.88	14.56	104	0.32	
LC0040	-	-	-	-	
LC0041	110.2	7.15	97.6	-0.22	

Parameter oriented report Metals and trace elements
M160

Sample: M160B, Parameter: Iron

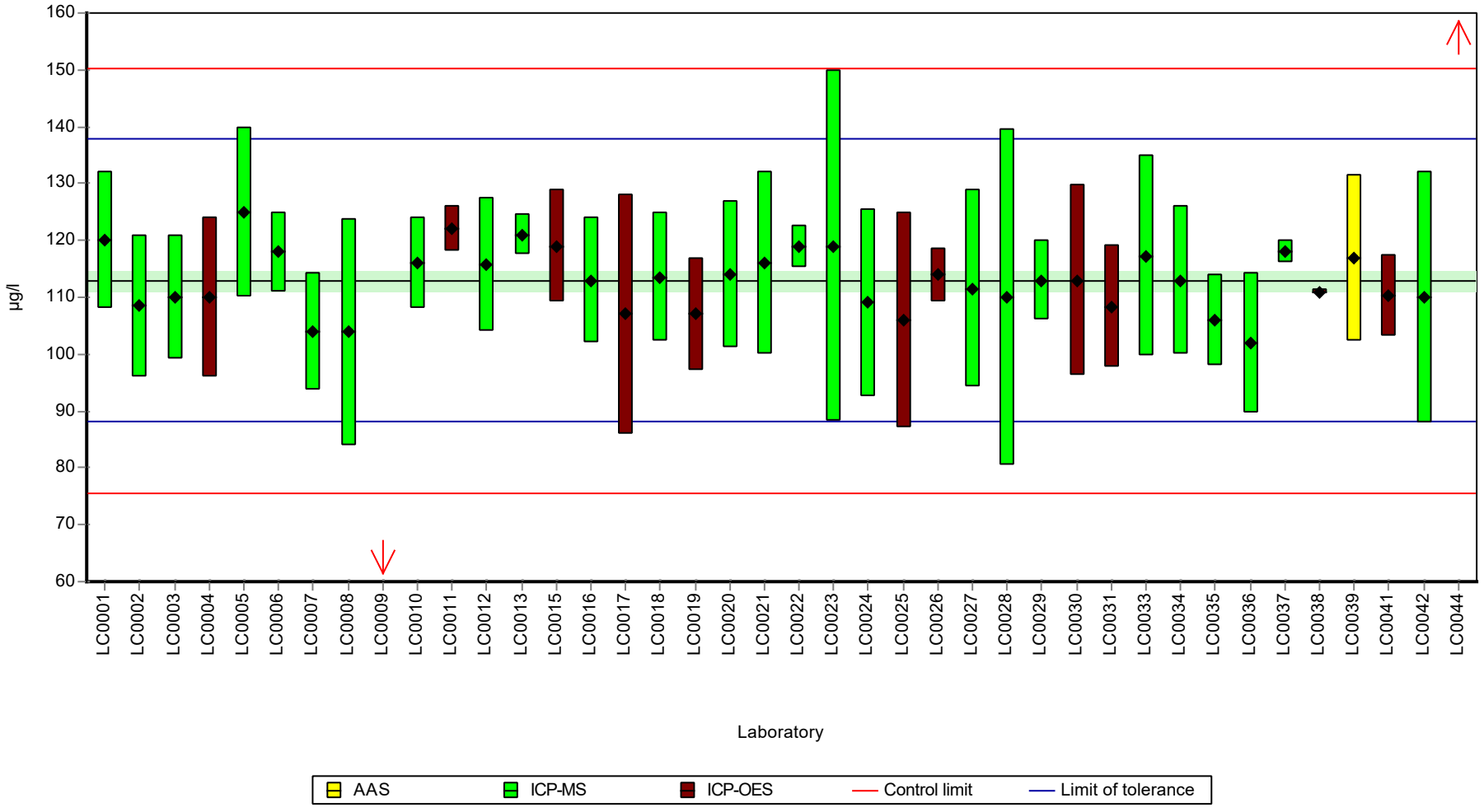
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	110	22	97.4	-0.23	
LC0043	-	-	-	-	
LC0044	381.37	0.53154	338	21.6	H

Characteristics of parameter

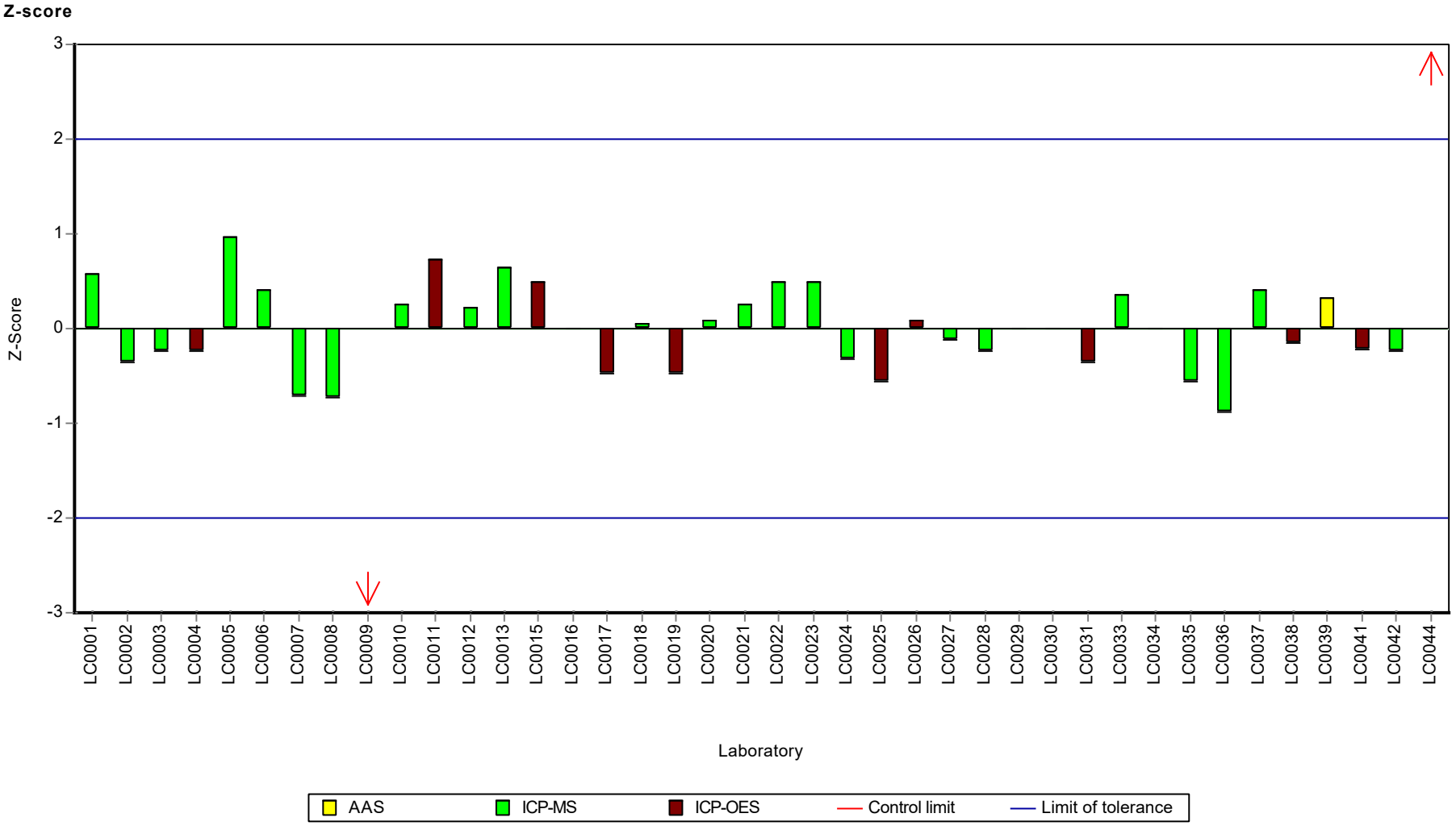
	all results	without outliers	Unit
Mean ± CI (99%)	118 ± 21.2	113 ± 2.68	µg/l
Minimum	36.1	102	µg/l
Maximum	381	125	µg/l
Standard deviation	44.8	5.5	µg/l
rel. standard deviation	38	4.87	%
n	40	38	-

Graphical presentation of results

Results



Recovery rate


Z-score
Z-Score
3
2
1
0
-1
-2
-3
LC0001
LC0002
LC0003
LC0004
LC0005
LC0006
LC0007
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LC0009
LC0010
LC0011
LC0012
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LC0030
LC0031
LC0033
LC0034
LC0035
LC0036
LC0037
LC0038
LC0039
LC0041
LC0042
LC0044
Laboratory
AAS
ICP-MS
ICP-OES
Control limit
Limit of tolerance

Parameter oriented report

M160 A

Lead

Unit	µg/l
Assigned value ± U (k=2)	2.21 ± 0.0437
Criterion	0.332 (15 %)
Minimum - Maximum	1.89 - 2.5
Control test value ± U (k=2)	2.130 ± 0.319

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	2.1	0.316	95	-0.34	
LC0002	2.12	0.04	95.9	-0.28	
LC0003	2.14	0.21	96.8	-0.21	
LC0004	2.21	0.81	99.9	0.00	
LC0005	2.25	0.5	102	0.12	
LC0006	1.83	0.12	82.8	-1.15	H
LC0007	1.8	0.18	81.4	-1.24	H
LC0008	2.19	0.35	99	-0.06	
LC0009	1.89	0.5	85.5	-0.97	
LC0010	2.28	0.16	103	0.21	
LC0011	-	-	-	-	
LC0012	2.22	0.03	100	0.03	
LC0013	2.34	0.28	106	0.39	
LC0014	-	-	-	-	
LC0015	2.11	0.1	95.4	-0.3	
LC0016	2.12	0.21	95.9	-0.28	
LC0017	2.17	0.43	98.1	-0.12	
LC0018	2.347	0.24	106	0.41	
LC0019	2.48	0.4	112	0.81	
LC0020	2.21	0.27	99.9	0.00	
LC0021	2.1	0.3	95	-0.34	
LC0022	2.2	0.112	99.5	-0.03	
LC0023	2.5	0.2	113	0.87	
LC0024	2.18	0.327	98.6	-0.09	
LC0025	-	-	-	-	
LC0026	2.41	0.0489	109	0.6	
LC0027	2.138	0.2298	96.7	-0.22	
LC0028	2	0.22	90.4	-0.64	
LC0029	2.38	0.2	108	0.51	
LC0030	0.955	0.143	43.2	-3.79	H
LC0031	-	-	-	-	
LC0032	2.225	0.24	101	0.04	
LC0033	2.34	0.35	106	0.39	
LC0034	2.23	0.24	101	0.06	
LC0035	2.187	0.131	98.9	-0.07	
LC0036	2.2	0.14	99.5	-0.03	
LC0037	2.24	0.042	101	0.09	
LC0038	2.31	0.3	104	0.3	
LC0039	2.15	0.24	97.2	-0.18	
LC0040	-	-	-	-	
LC0041	2.819	0.19	127	1.83	H

Parameter oriented report Metals and trace elements
M160

Sample: M160A, Parameter: Lead

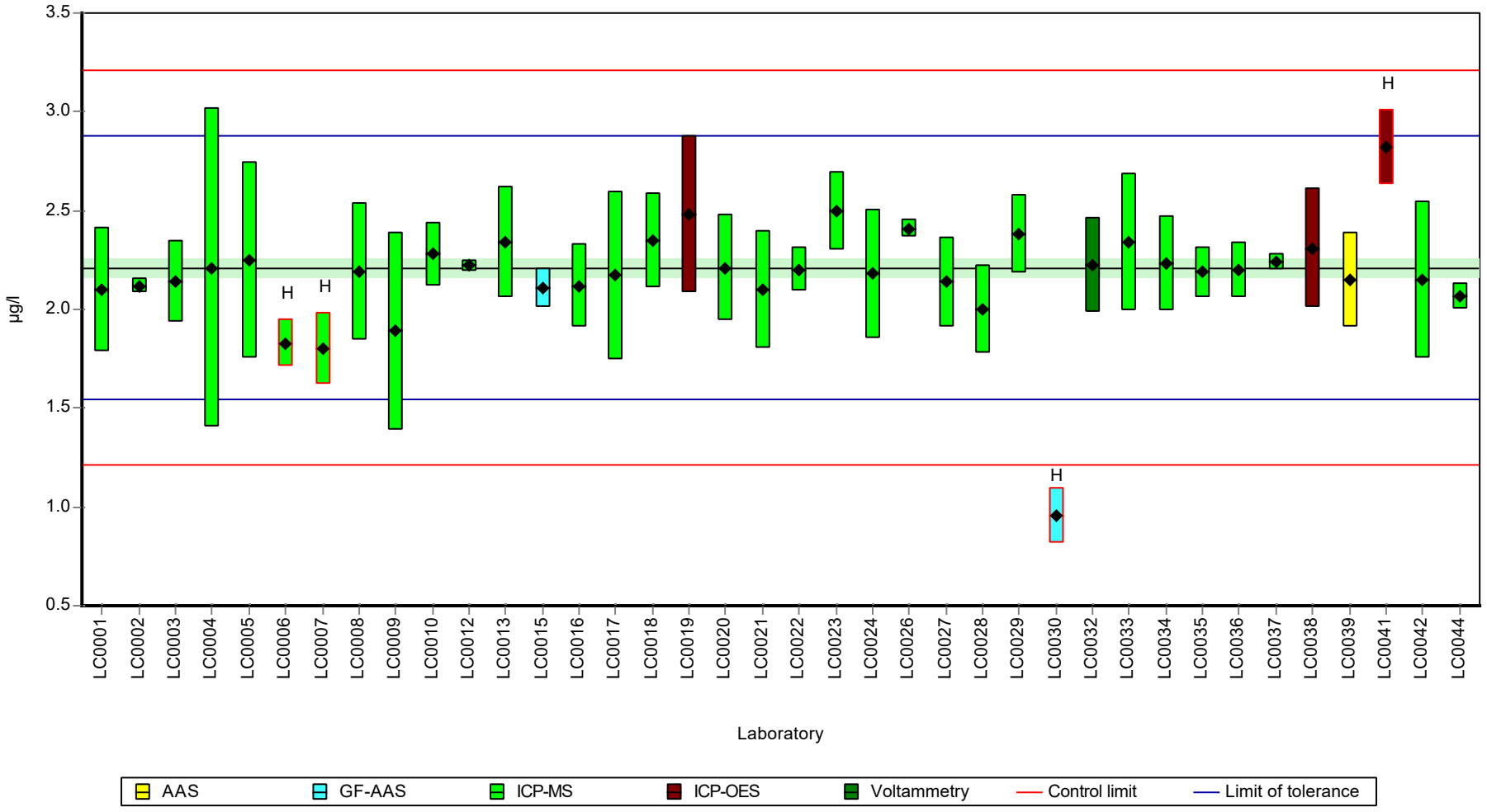
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	2.15	0.4	97.2	-0.18	
LC0043	-	-	-	-	
LC0044	2.066	0.0625	93.4	-0.44	

Characteristics of parameter

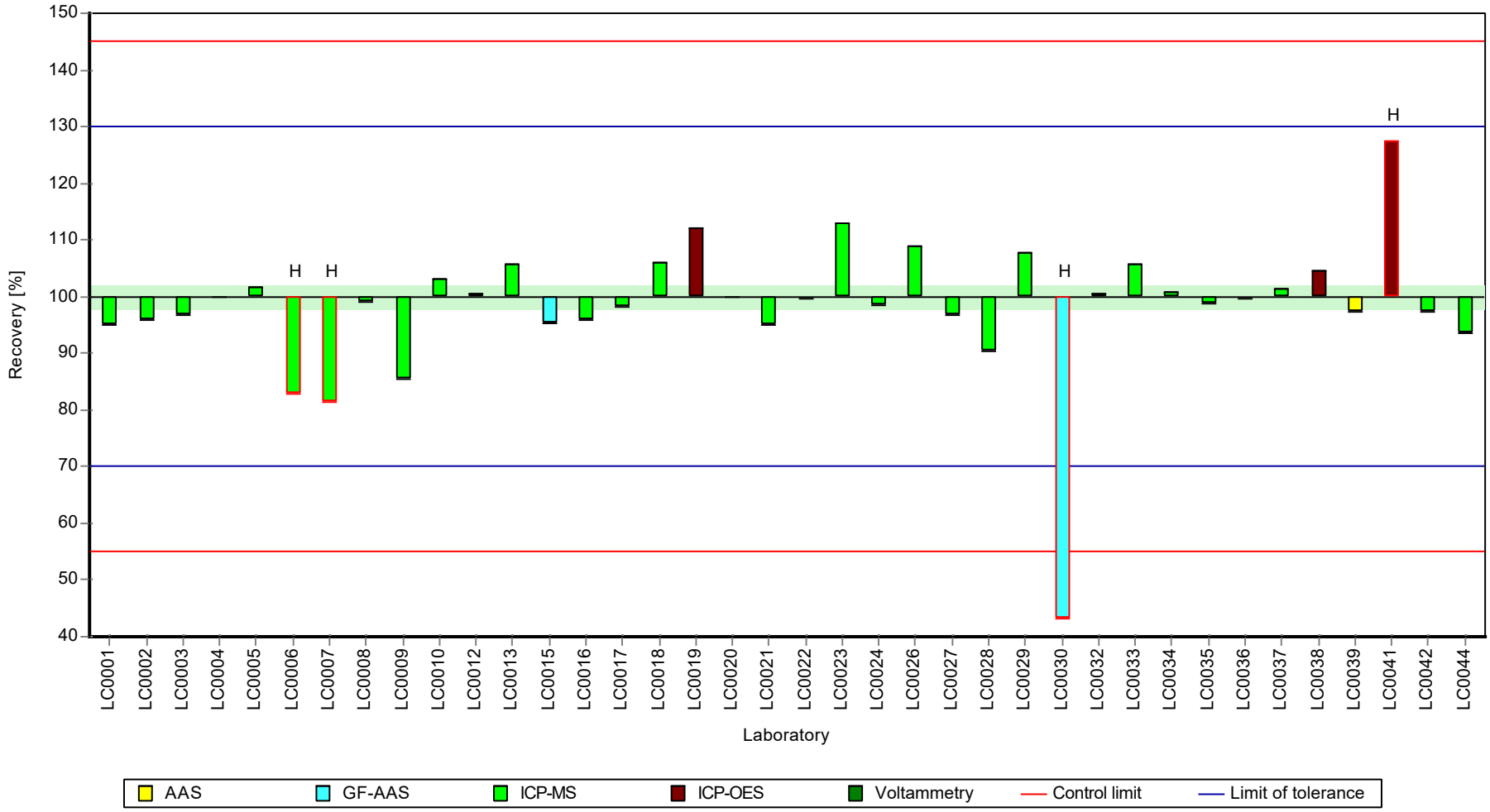
	all results	without outliers	Unit
Mean ± CI (99%)	2.17 ± 0.132	2.21 ± 0.0655	µg/l
Minimum	0.955	1.89	µg/l
Maximum	2.82	2.5	µg/l
Standard deviation	0.272	0.127	µg/l
rel. standard deviation	12.5	5.76	%
n	38	34	-

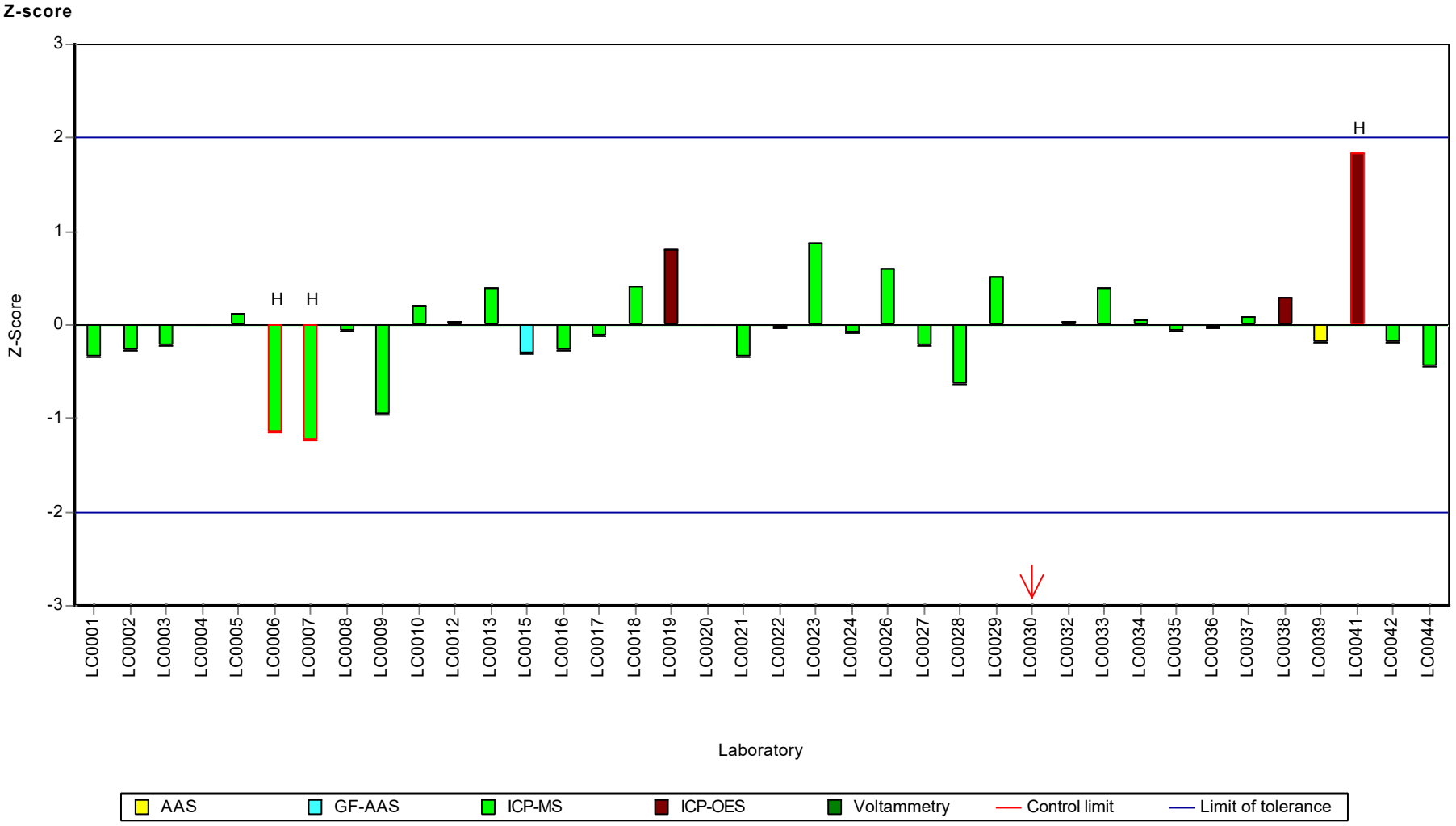
Graphical presentation of results

Results



Recovery rate




Z-score
Z-Score
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2
1
0
-1
-2
-3
H
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LC0001
LC0002
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LC0006
LC0007
LC0008
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LC0035
LC0036
LC0037
LC0038
LC0039
LC0041
LC0042
LC0044
Laboratory
AAS
GF-AAS
ICP-MS
ICP-OES
Voltammetry
Control limit
Limit of tolerance

Parameter oriented report

M160 B

Lead

Unit	µg/l
Assigned value ± U (k=2)	2.69 ± 0.0583
Criterion	0.403 (15 %)
Minimum - Maximum	2.26 - 2.98
Control test value ± U (k=2)	2.590 ± 0.389

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	2.55	0.382	94.9	-0.34	
LC0002	3.59	0.02	134	2.24	H
LC0003	2.64	0.26	98.3	-0.12	
LC0004	3.89	1.11	145	2.99	H
LC0005	2.85	0.5	106	0.41	
LC0006	2.26	0.14	84.1	-1.06	
LC0007	2.4	0.24	89.3	-0.71	
LC0008	2.68	0.43	99.7	-0.02	
LC0009	2.42	0.5	90.1	-0.66	
LC0010	2.72	0.19	101	0.08	
LC0011	-	-	-	-	
LC0012	2.74	0.35	102	0.13	
LC0013	2.81	0.33	105	0.31	
LC0014	-	-	-	-	
LC0015	2.16	0.06	80.4	-1.31	H
LC0016	2.62	0.26	97.5	-0.17	
LC0017	2.65	0.53	98.6	-0.09	
LC0018	2.873	0.29	107	0.46	
LC0019	2.41	0.4	89.7	-0.69	
LC0020	2.81	0.34	105	0.31	
LC0021	2.6	0.4	96.8	-0.21	
LC0022	2.75	0.109	102	0.16	
LC0023	2.9	0.232	108	0.53	
LC0024	2.72	0.407	101	0.08	
LC0025	-	-	-	-	
LC0026	2.77	0.0483	103	0.21	
LC0027	2.65	0.2849	98.6	-0.09	
LC0028	2.66	0.531	99	-0.07	
LC0029	2.96	0.25	110	0.68	
LC0030	2.32	0.348	86.3	-0.91	
LC0031	-	-	-	-	
LC0032	2.681	0.29	99.8	-0.01	
LC0033	2.82	0.42	105	0.33	
LC0034	2.727	0.29	101	0.1	
LC0035	2.692	0.215	100	0.01	
LC0036	2.7	0.18	100	0.03	
LC0037	2.98	0.057	111	0.73	
LC0038	2.81	0.3	105	0.31	
LC0039	2.7	0.3	100	0.03	
LC0040	-	-	-	-	
LC0041	2.927	0.195	109	0.6	

Parameter oriented report Metals and trace elements
M160

Sample: M160B, Parameter: Lead

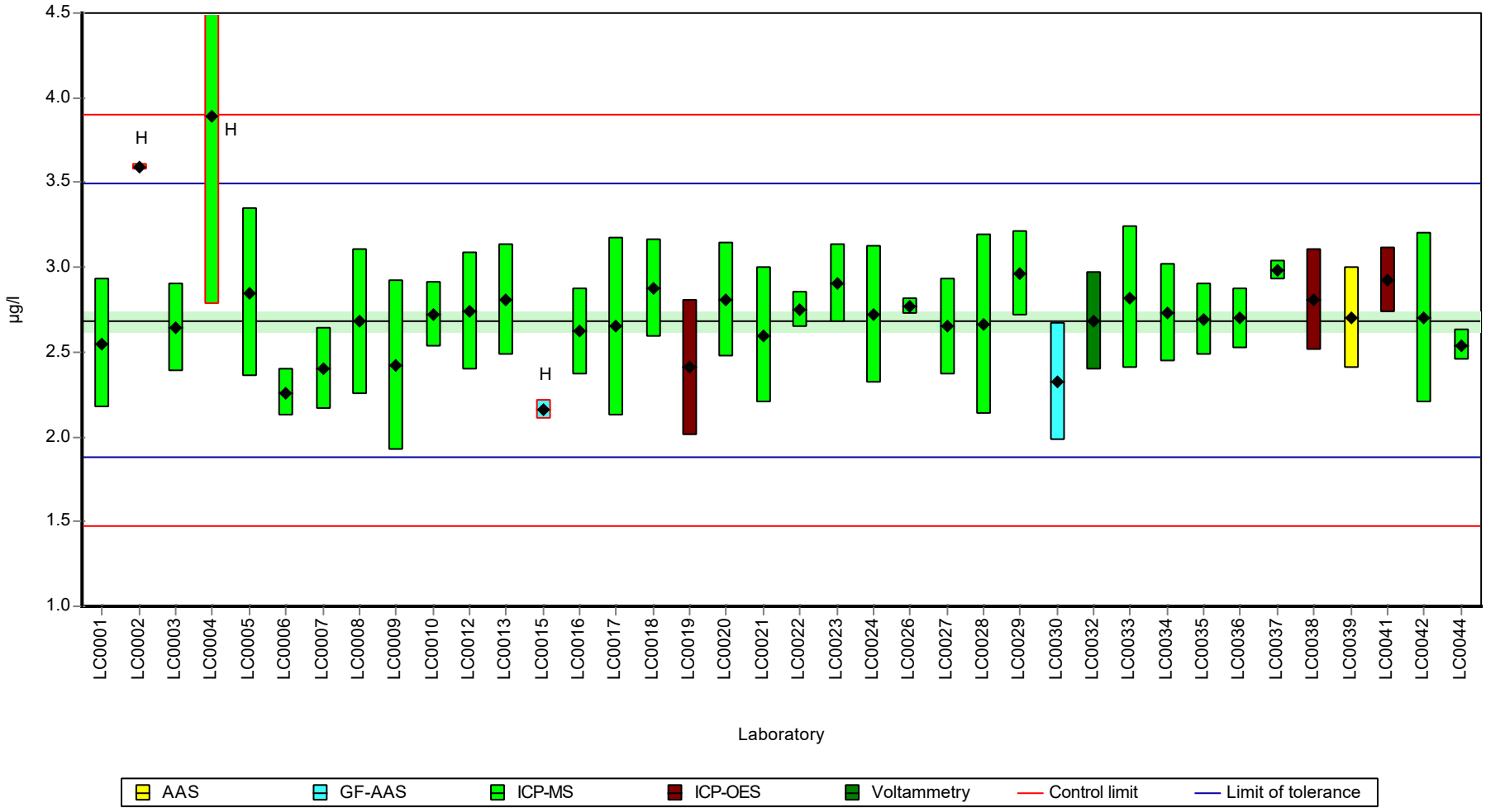
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	2.7	0.5	100	0.03	
LC0043	-	-	-	-	
LC0044	2.539	0.0934	94.5	-0.37	

Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	2.73 ± 0.149	2.69 ± 0.0875	µg/l
Minimum	2.16	2.26	µg/l
Maximum	3.89	2.98	µg/l
Standard deviation	0.307	0.172	µg/l
rel. standard deviation	11.3	6.42	%
n	38	35	-

Graphical presentation of results

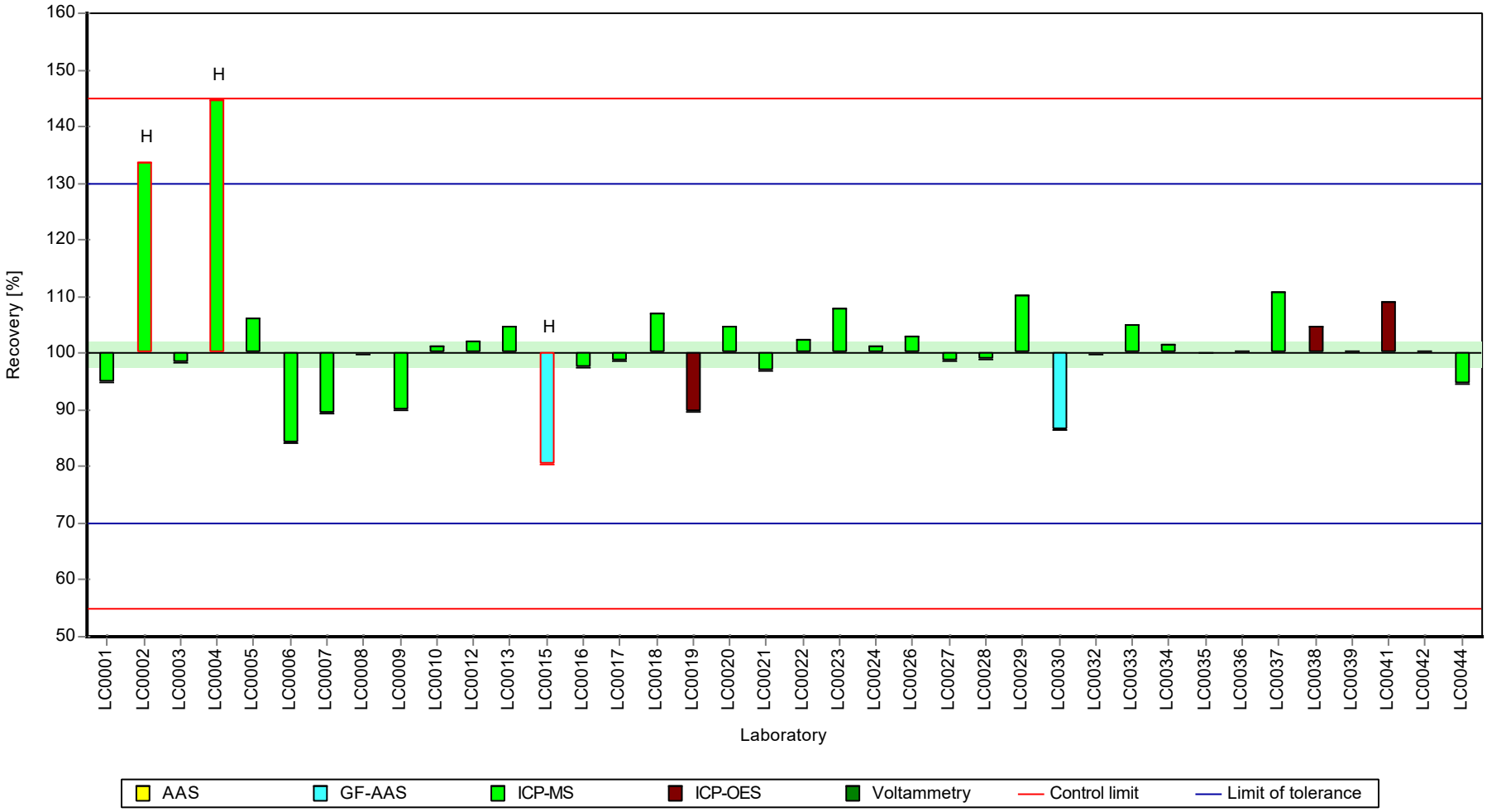
Results

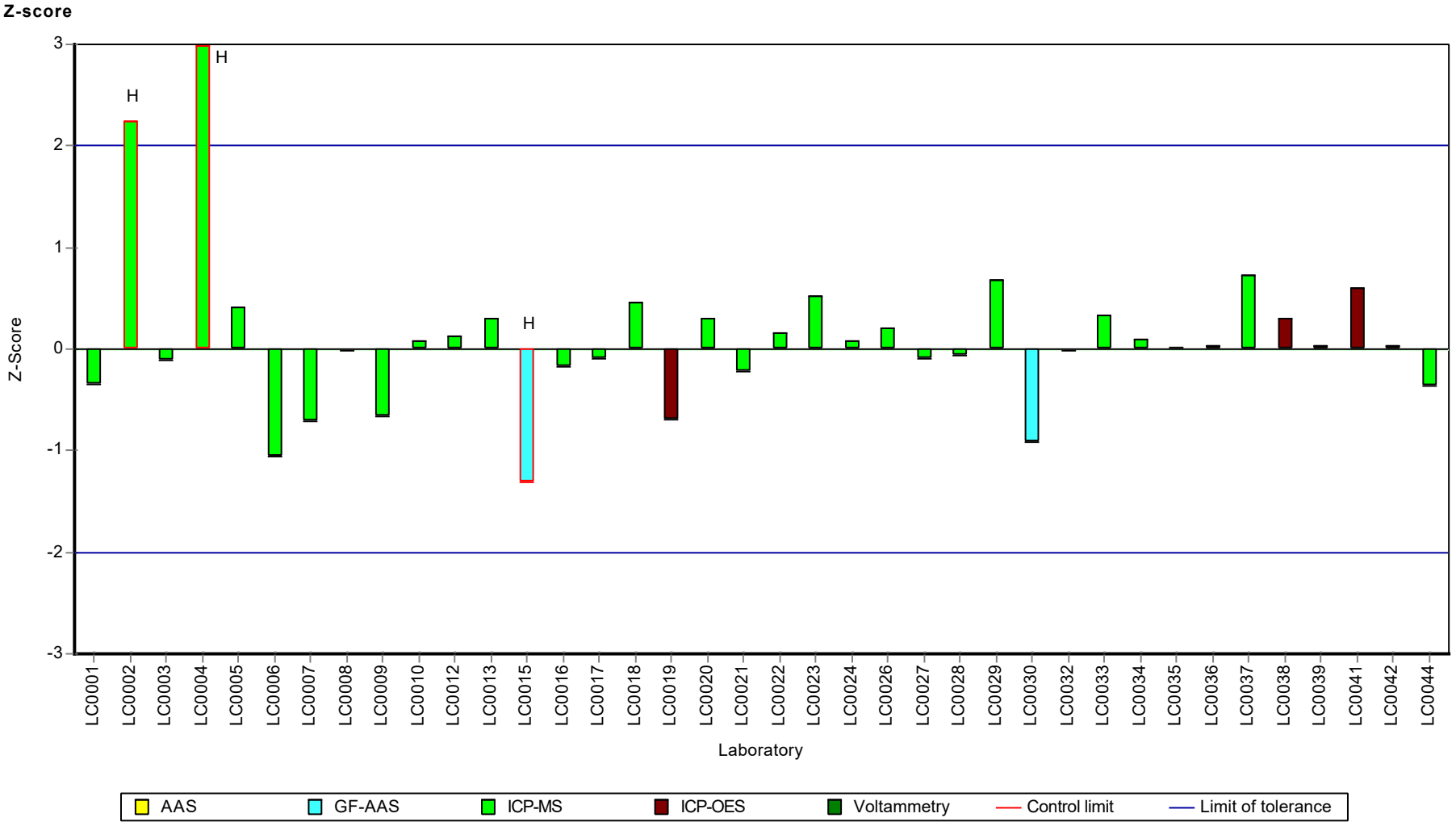


Parameter oriented report Metals and trace elements M160

Sample: M160B, Parameter: Lead

Recovery rate




Z-score
Z-Score
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H
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LC0001
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LC0038
LC0039
LC0041
LC0042
LC0044
Laboratory
AAS
GF-AAS
ICP-MS
ICP-OES
Voltammetry
Control limit
Limit of tolerance

Parameter oriented report

M160 A

Manganese

Unit	µg/l
Assigned value ± U (k=2)	30.1 ± 0.599
Criterion	2.17 (7.2 %)
Minimum - Maximum	26.3 - 33.5
Control test value ± U (k=2)	30.50 ± 3.05

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	31.8	3.18	106	0.77	
LC0002	29.44	0.77	97.7	-0.32	
LC0003	30.3	3	101	0.07	
LC0004	30.2	5.2	100	0.03	
LC0005	33	5	109	1.32	
LC0006	33.5	1.2	111	1.55	
LC0007	26.3	2.6	87.3	-1.77	
LC0008	28.49	3.69	94.5	-0.76	
LC0009	16.75	1.5	55.6	-6.17	H
LC0010	29.5	2.1	97.9	-0.29	
LC0011	32.5	2	108	1.09	
LC0012	32.6	3.33	108	1.13	
LC0013	32.1	0.99	107	0.9	
LC0014	-	-	-	-	
LC0015	28.9	0.9	95.9	-0.57	
LC0016	30	3	99.5	-0.06	
LC0017	31.1	6.2	103	0.44	
LC0018	29.43	2.9	97.7	-0.33	
LC0019	27.1	3	89.9	-1.4	
LC0020	29.6	3.1	98.2	-0.25	
LC0021	33.1	4	110	1.36	
LC0022	29.5	1.26	97.9	-0.29	
LC0023	32	3.2	106	0.86	
LC0024	28.1	2.81	93.2	-0.94	
LC0025	28.1	5.1	93.2	-0.94	
LC0026	28.7	0.385	95.2	-0.66	
LC0027	28.52	3.134	94.6	-0.75	
LC0028	26.5	3.18	87.9	-1.68	
LC0029	32.5	1.6	108	1.09	
LC0030	30.8	4.62	102	0.3	
LC0031	27.92	2.792	92.6	-1.02	
LC0032	-	-	-	-	
LC0033	30.2	4.52	100	0.03	
LC0034	30.53	1.7	101	0.18	
LC0035	29.832	2.595	99	-0.14	
LC0036	31	2.05	103	0.4	
LC0037	31.5	0.32	105	0.63	
LC0038	32.1	0.05	107	0.9	
LC0039	31.64	2.18	105	0.69	
LC0040	-	-	-	-	
LC0041	28.64	1.96	95	-0.69	

Parameter oriented report Metals and trace elements M160

Sample: M160A, Parameter: Manganese

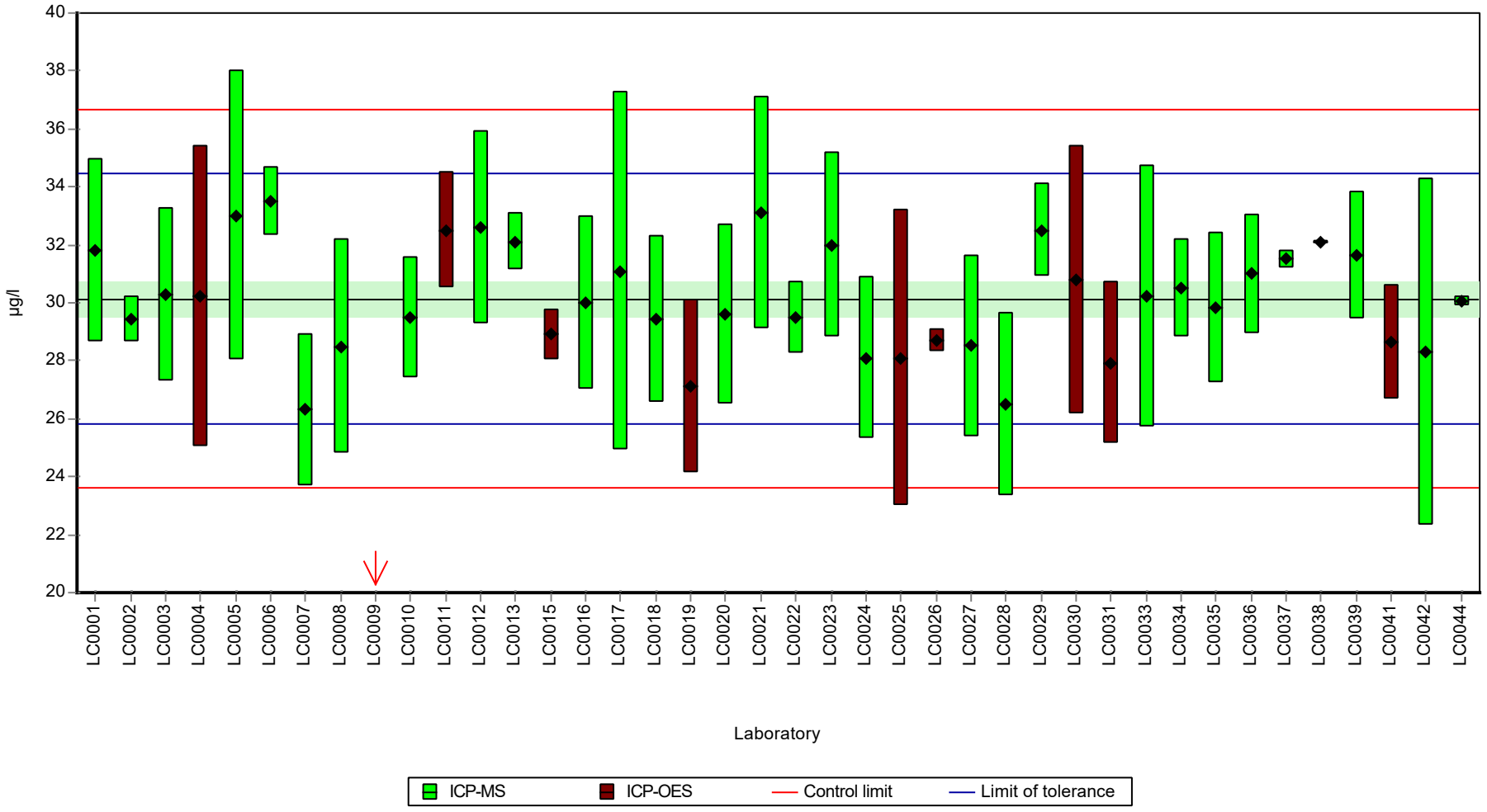
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	28.3	6	93.9	-0.85	
LC0043	-	-	-	-	
LC0044	30.045	0.1606	99.7	-0.04	

Characteristics of parameter

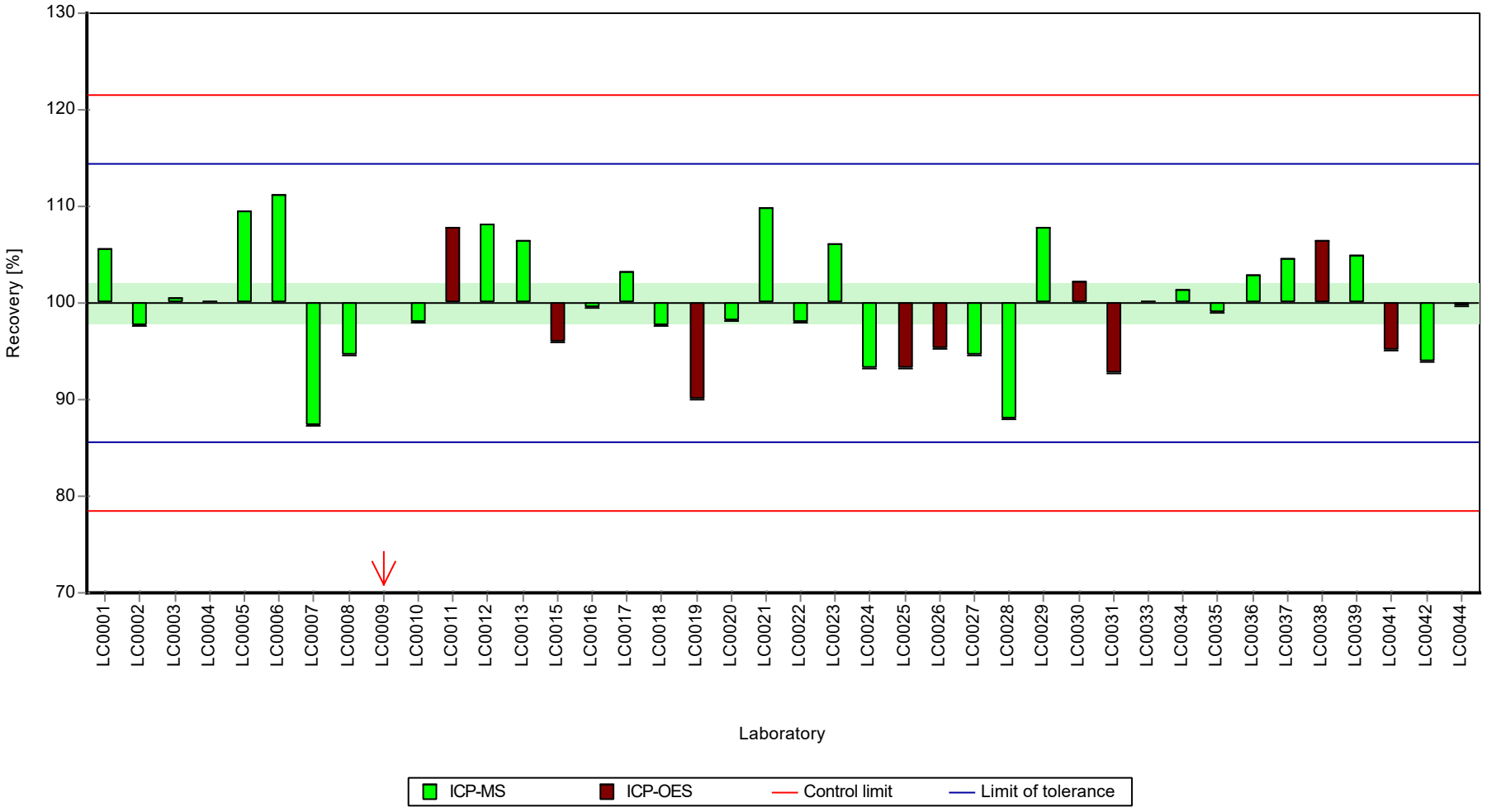
	all results	without outliers	Unit
Mean ± CI (99%)	29.8 ± 1.33	30.1 ± 0.899	µg/l
Minimum	16.8	26.3	µg/l
Maximum	33.5	33.5	µg/l
Standard deviation	2.81	1.87	µg/l
rel. standard deviation	9.43	6.21	%
n	40	39	-

Graphical presentation of results

Results

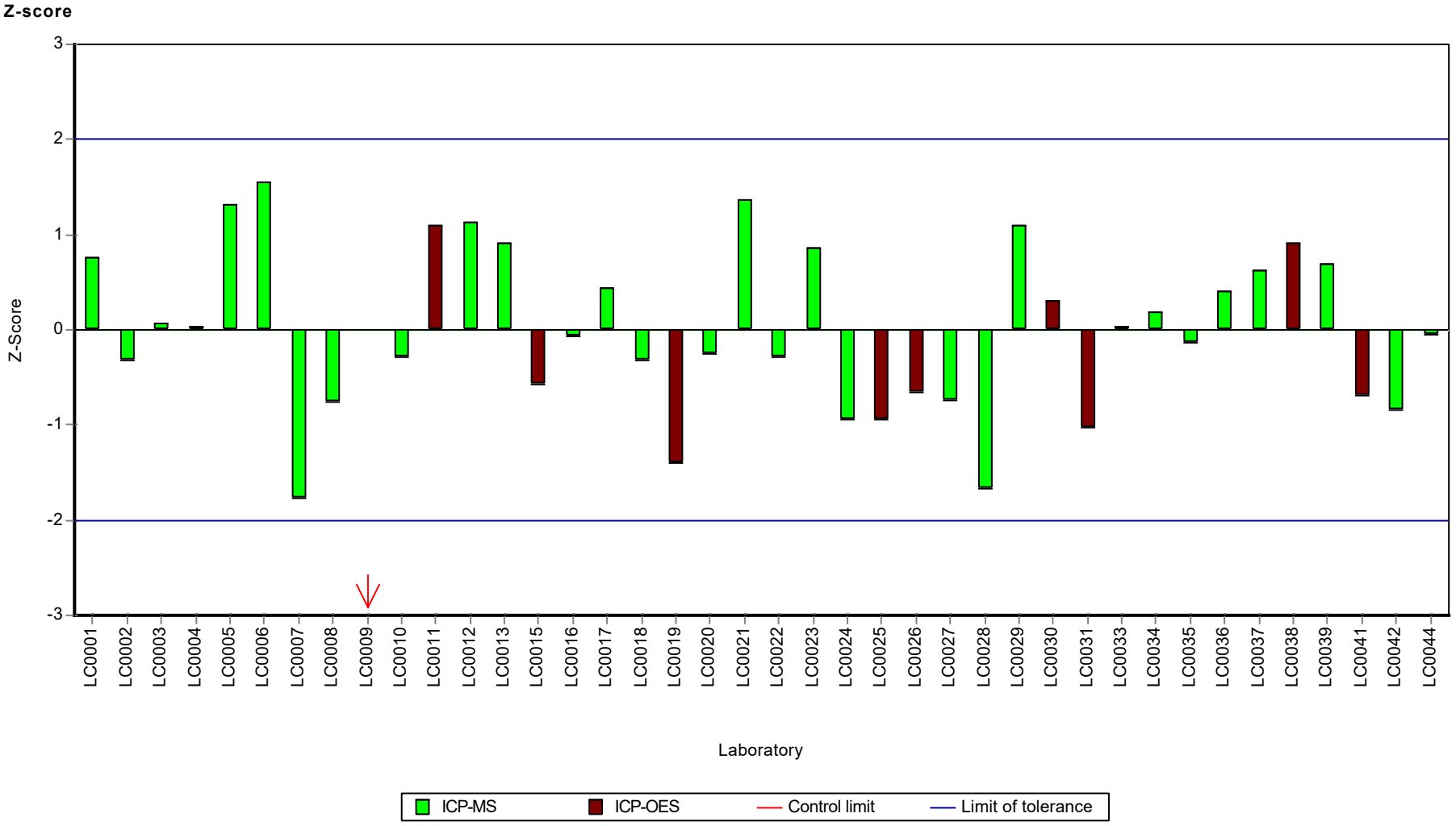


Recovery rate



Parameter oriented report Metals and trace elements M160

Sample: M160A, Parameter: Manganese



Parameter oriented report

M160 B

Manganese

Unit	µg/l
Assigned value ± U (k=2)	20.7 ± 0.331
Criterion	1.49 (7.2 %)
Minimum - Maximum	18.5 - 23
Control test value ± U (k=2)	20.10 ± 2.01

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	21.9	2.19	106	0.77	
LC0002	20.41	0.32	98.4	-0.23	
LC0003	20.6	2.1	99.3	-0.1	
LC0004	21.2	1.6	102	0.3	
LC0005	23	4	111	1.51	
LC0006	22.4	0.8	108	1.11	
LC0007	18.5	1.85	89.2	-1.51	
LC0008	19.98	2.59	96.3	-0.51	
LC0009	15.51	1.5	74.8	-3.51	H
LC0010	20.4	1.4	98.3	-0.23	
LC0011	23	2	111	1.51	
LC0012	21.75	2.22	105	0.67	
LC0013	21.6	0.67	104	0.57	
LC0014	-	-	-	-	
LC0015	20.4	0.2	98.3	-0.23	
LC0016	20.7	2.1	99.8	-0.03	
LC0017	21.8	4.4	105	0.7	
LC0018	20.5	2.05	98.8	-0.17	
LC0019	19.4	2	93.5	-0.9	
LC0020	21.2	2.3	102	0.3	
LC0021	21.4	2	103	0.44	
LC0022	20.4	0.779	98.3	-0.23	
LC0023	22	2.2	106	0.84	
LC0024	19.6	1.96	94.5	-0.77	
LC0025	19.4	3.5	93.5	-0.9	
LC0026	20.5	0.402	98.8	-0.17	
LC0027	19.91	2.188	96	-0.56	
LC0028	19.7	3.35	94.9	-0.7	
LC0029	22.3	1.1	107	1.04	
LC0030	19.4	2.91	93.5	-0.9	
LC0031	19.91	1.991	96	-0.56	
LC0032	-	-	-	-	
LC0033	20.9	3.13	101	0.1	
LC0034	20.6	1.1	99.3	-0.1	
LC0035	20.642	1.8	99.5	-0.07	
LC0036	20	1.32	96.4	-0.5	
LC0037	21.3	0.1	103	0.37	
LC0038	20.9	0.05	101	0.1	
LC0039	20.94	1.44	101	0.13	
LC0040	-	-	-	-	
LC0041	20.05	1.37	96.6	-0.47	

Parameter oriented report Metals and trace elements M160

Sample: M160B, Parameter: Manganese

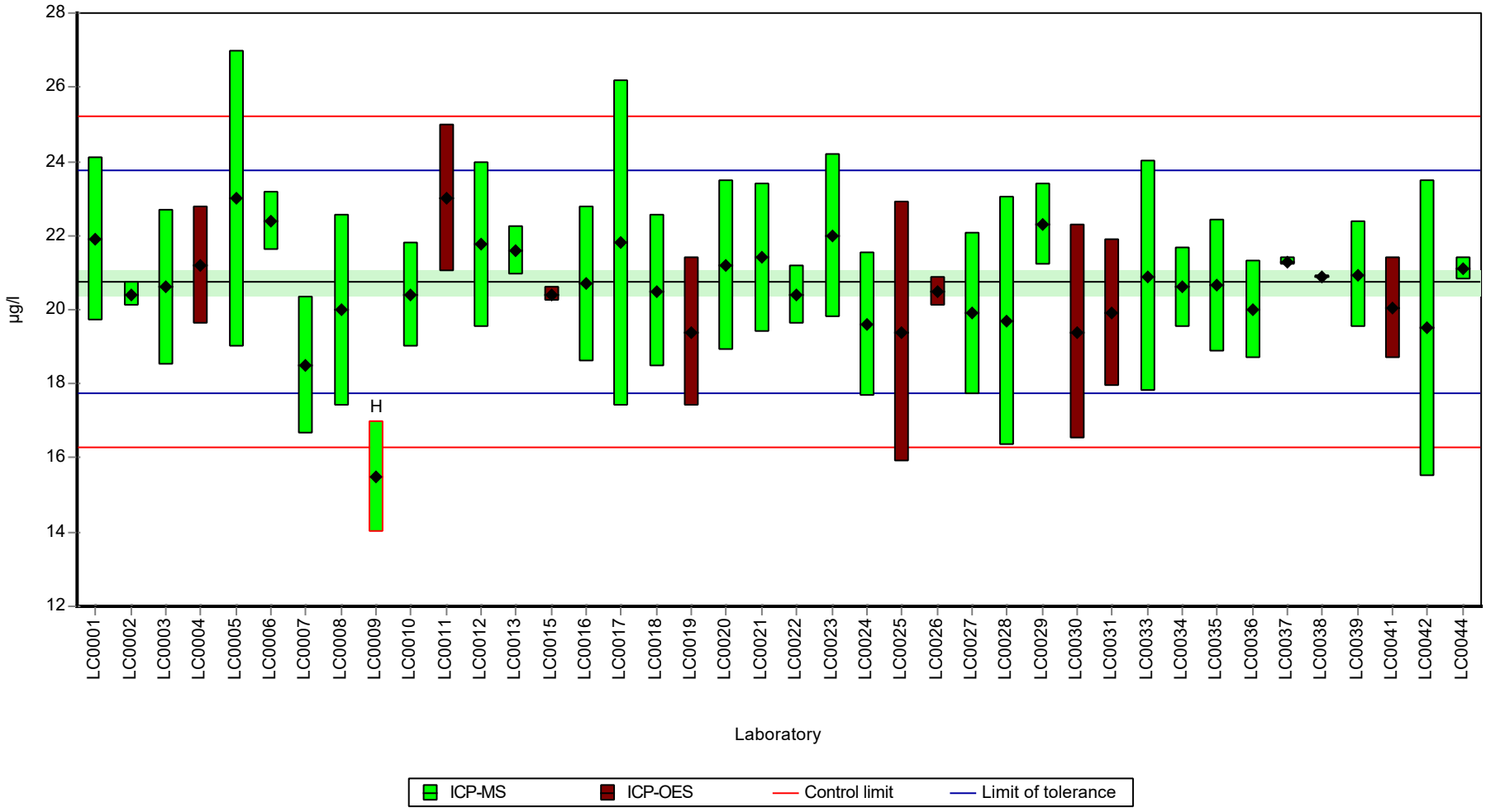
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	19.5	4	94	-0.84	
LC0043	-	-	-	-	
LC0044	21.099	0.3028	102	0.23	

Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	20.6 ± 0.623	20.7 ± 0.496	µg/l
Minimum	15.5	18.5	µg/l
Maximum	23	23	µg/l
Standard deviation	1.31	1.03	µg/l
rel. standard deviation	6.37	4.98	%
n	40	39	-

Graphical presentation of results

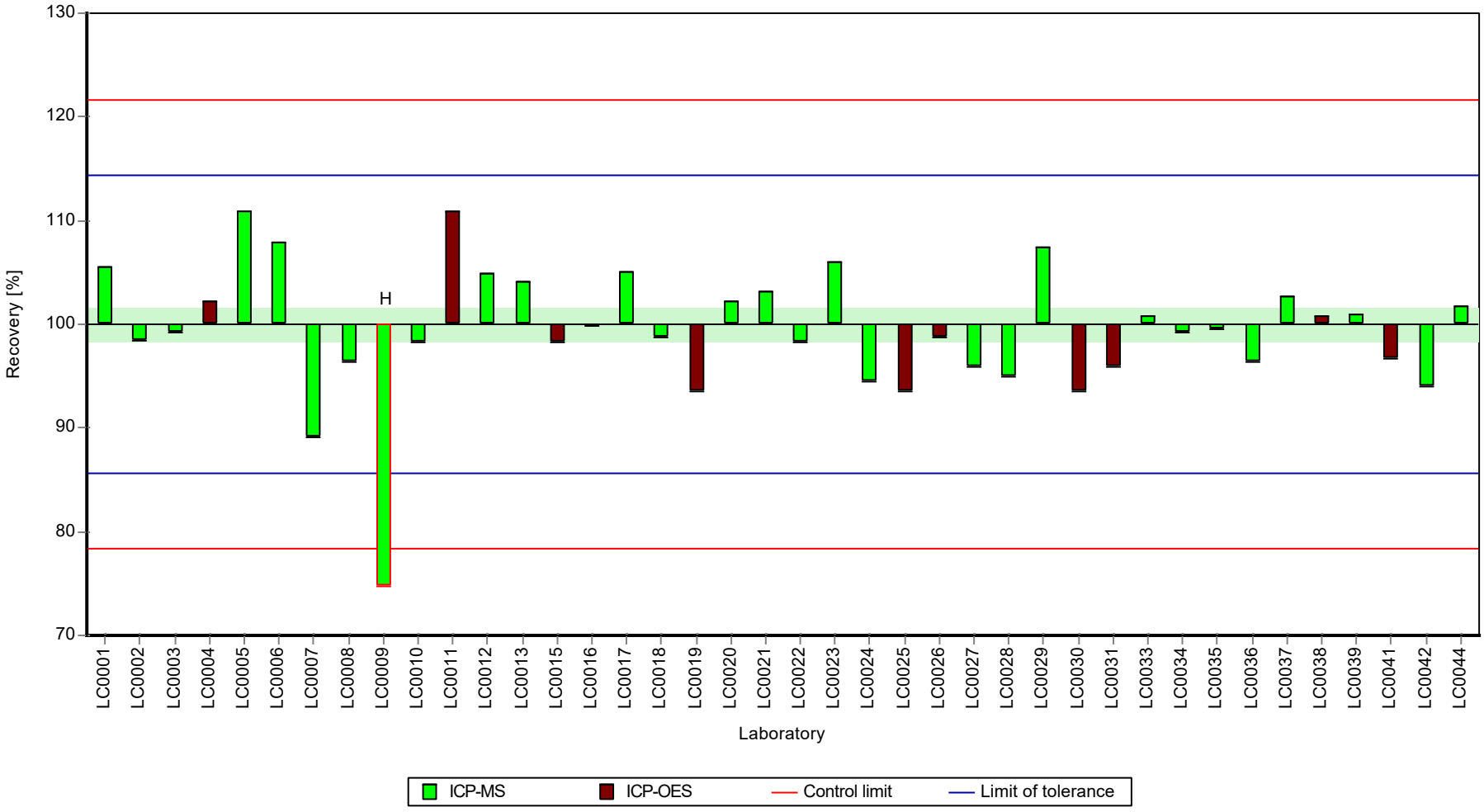
Results

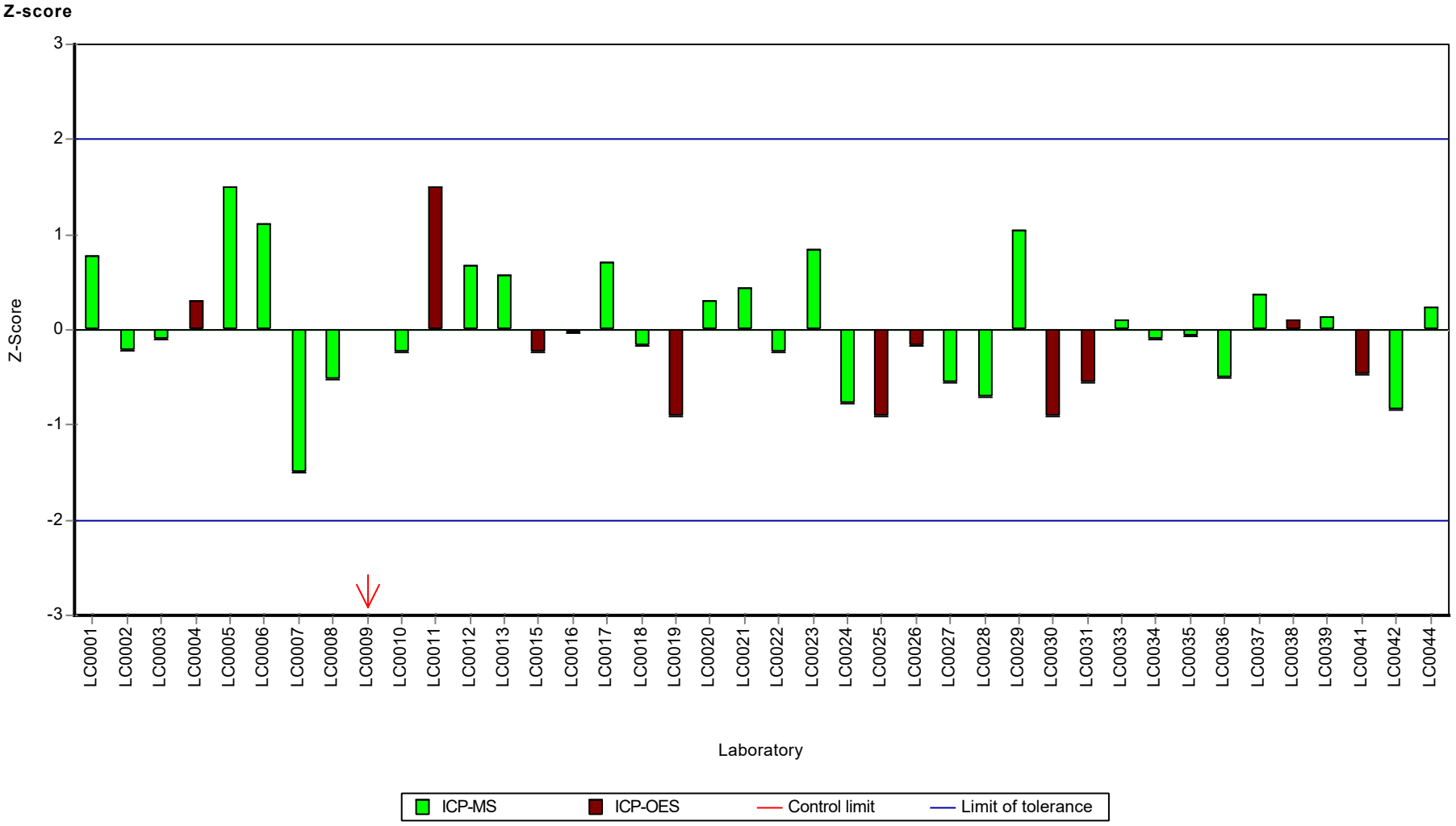


Parameter oriented report Metals and trace elements M160

Sample: M160B, Parameter: Manganese

Recovery rate




Z-score
Z-Score
3
2
1
0
-1
-2
-3
LC0001
LC0002
LC0003
LC0004
LC0005
LC0006
LC0007
LC0008
LC0009
LC0010
LC0011
LC0012
LC0013
LC0015
LC0016
LC0017
LC0018
LC0019
LC0020
LC0021
LC0022
LC0023
LC0024
LC0025
LC0026
LC0027
LC0028
LC0029
LC0030
LC0031
LC0033
LC0034
LC0035
LC0036
LC0037
LC0038
LC0039
LC0041
LC0042
LC0044
Laboratory
ICP-MS
ICP-OES
Control limit
Limit of tolerance

Parameter oriented report

M160 A Hg

Mercury

Unit	µg/l
Assigned value ± U (k=2)	0.944 ± 0.0244
Criterion	0.132 (14 %)
Minimum - Maximum	0.763 - 1.1
Control test value ± U (k=2)	0.975 ± 0.244

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.763	0.191	80.8	-1.37	
LC0002	0.94	0.02	99.6	-0.03	
LC0003	0.91	0.09	96.4	-0.26	
LC0004	-	-	-	-	
LC0005	0.96	0.15	102	0.12	
LC0006	1.13	0.11	120	1.41	H
LC0007	0.836	0.084	88.6	-0.82	
LC0008	0.927	0.278	98.2	-0.13	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	0.937	0.019	99.3	-0.05	
LC0014	-	-	-	-	
LC0015	0.95	0.01	101	0.05	
LC0016	1	0.1	106	0.42	
LC0017	0.962	0.192	102	0.14	
LC0018	0.89	0.09	94.3	-0.41	
LC0019	0.965	0.3	102	0.16	
LC0020	0.98	0.14	104	0.27	
LC0021	1	0.2	106	0.42	
LC0022	0.744	0.072	78.8	-1.51	H
LC0023	1	0.15	106	0.42	
LC0024	1.02	0.203	108	0.58	
LC0025	-	-	-	-	
LC0026	0.932	0.0102	98.7	-0.09	
LC0027	0.915	0.0942	96.9	-0.22	
LC0028	0.941	0.15	99.7	-0.02	
LC0029	0.885	0.08	93.8	-0.45	
LC0030	-	-	-	-	
LC0031	1.104	0.1104	117	1.21	
LC0032	-	-	-	-	
LC0033	0.902	0.135	95.6	-0.32	
LC0034	1.207	0.19	128	1.99	H
LC0035	-	-	-	-	
LC0036	0.9	0.19	95.4	-0.33	
LC0037	0.961	0.019	102	0.13	
LC0038	0.937	0.005	99.3	-0.05	
LC0039	0.99	0.22	105	0.35	
LC0040	-	-	-	-	
LC0041	0.891	0.085	94.4	-0.4	

Parameter oriented report Metals and trace elements M160

Sample: M160AHG, Parameter: Mercury

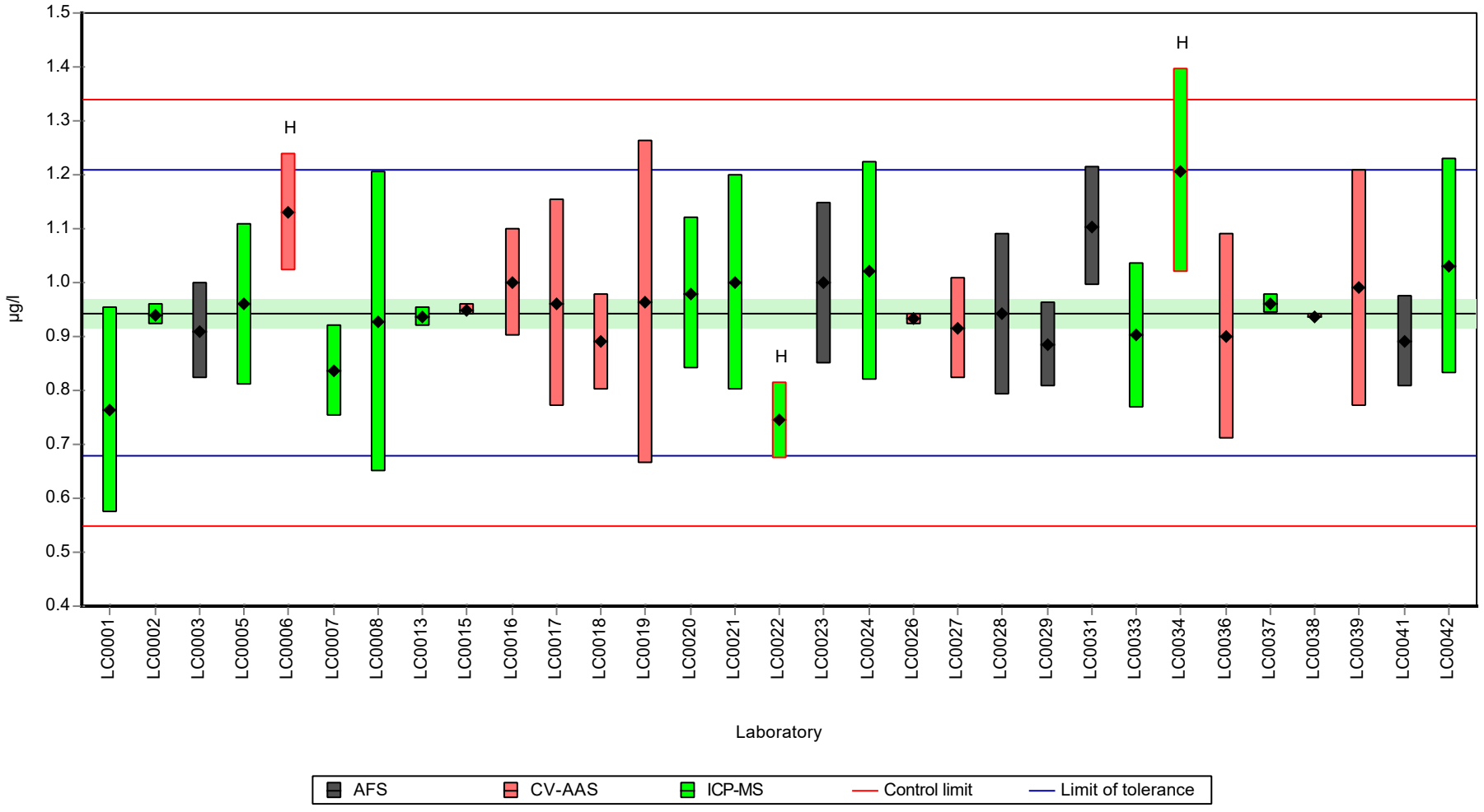
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	1.03	0.2	109	0.65	
LC0043	-	-	-	-	
LC0044	-	-	-	-	

Characteristics of parameter

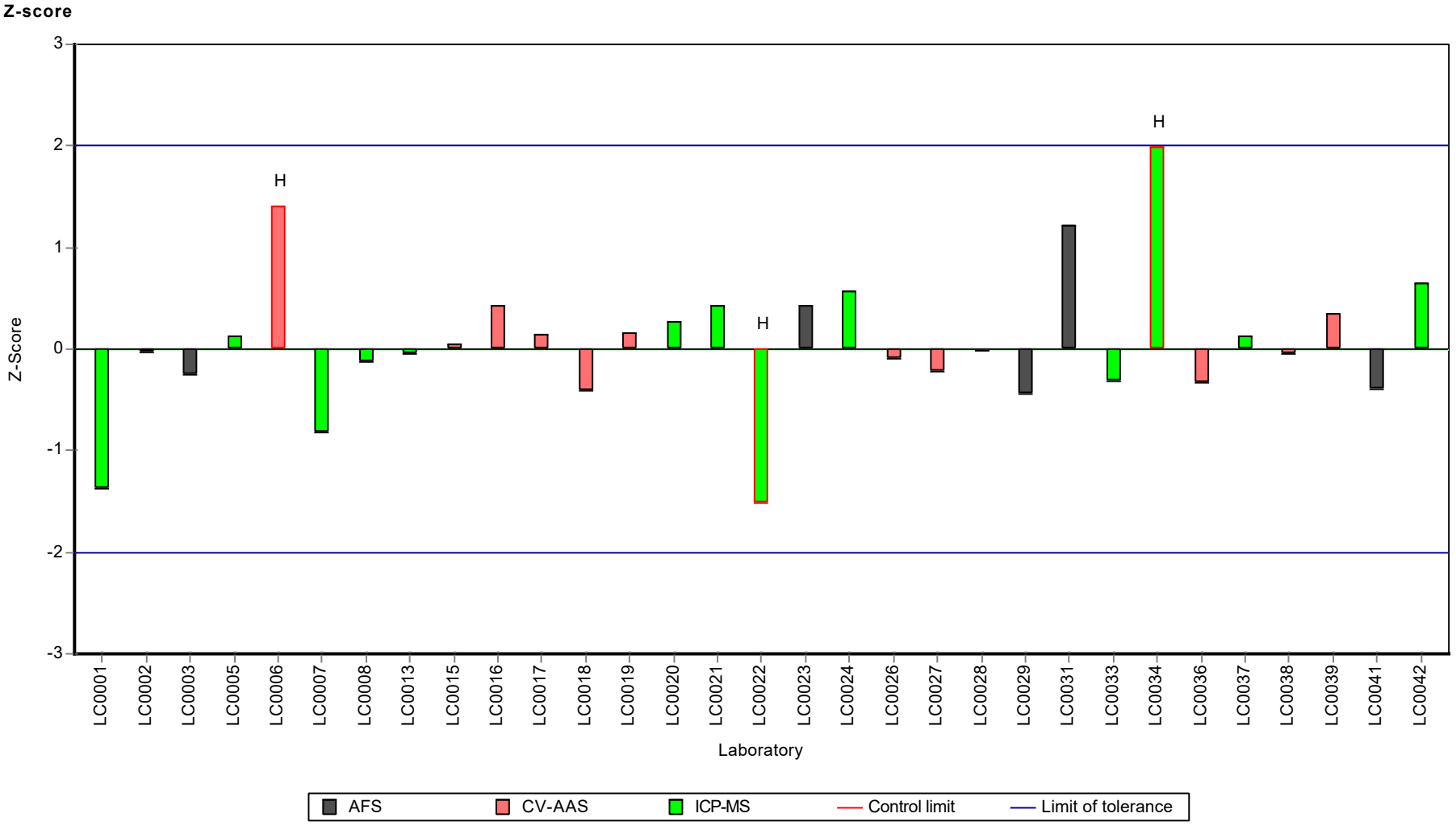
	all results	without outliers	Unit
Mean ± CI (99%)	0.952 ± 0.0496	0.944 ± 0.0366	µg/l
Minimum	0.744	0.763	µg/l
Maximum	1.21	1.1	µg/l
Standard deviation	0.0921	0.0646	µg/l
rel. standard deviation	9.68	6.85	%
n	31	28	-

Graphical presentation of results

Results



Recovery rate


Z-score
3
2
1
0
-1
-2
-3
Z-Score
H
H
H
LC0001
LC0002
LC0003
LC0005
LC0006
LC0007
LC0008
LC0013
LC0015
LC0016
LC0017
LC0018
LC0019
LC0020
LC0021
LC0022
LC0023
LC0024
LC0026
LC0027
LC0028
LC0029
LC0031
LC0033
LC0034
LC0036
LC0037
LC0038
LC0039
LC0041
LC0042
Laboratory
AFS
CV-AAS
ICP-MS
Control limit
Limit of tolerance

Parameter oriented report

M160 B Hg

Mercury

Unit	µg/l
Assigned value ± U (k=2)	1.2 ± 0.0214
Criterion	0.168 (14 %)
Minimum - Maximum	1.1 - 1.33
Control test value ± U (k=2)	1.140 ± 0.285

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	1.004	0.251	83.7	-1.16	H
LC0002	1.19	0.04	99.3	-0.05	
LC0003	1.16	0.11	96.8	-0.23	
LC0004	-	-	-	-	
LC0005	1.23	0.2	103	0.18	
LC0006	1.41	0.13	118	1.26	H
LC0007	0.996	0.1	83.1	-1.21	H
LC0008	1.191	0.357	99.3	-0.05	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	1.2	0.024	100	0.01	
LC0014	-	-	-	-	
LC0015	1.2	0.01	100	0.01	
LC0016	1.19	0.12	99.3	-0.05	
LC0017	1.19	0.24	99.3	-0.05	
LC0018	0.971	0.097	81	-1.36	H
LC0019	1.24	0.4	103	0.24	
LC0020	1.19	0.17	99.3	-0.05	
LC0021	1.3	0.3	108	0.6	
LC0022	1	0.139	83.4	-1.19	H
LC0023	1.229	0.1843	103	0.18	
LC0024	1.23	0.245	103	0.18	
LC0025	-	-	-	-	
LC0026	1.18	0.0102	98.4	-0.11	
LC0027	1.178	0.1212	98.3	-0.13	
LC0028	1.25	0.2	104	0.3	
LC0029	1.15	0.1	95.9	-0.29	
LC0030	-	-	-	-	
LC0031	1.413	0.1413	118	1.28	H
LC0032	-	-	-	-	
LC0033	1.15	0.17	95.9	-0.29	
LC0034	1.407	0.22	117	1.24	H
LC0035	-	-	-	-	
LC0036	0.7	0.14	58.4	-2.97	H
LC0037	1.17	0.015	97.6	-0.17	
LC0038	1.097	0.005	91.5	-0.61	
LC0039	1.2	0.27	100	0.01	
LC0040	-	-	-	-	
LC0041	1.13	0.105	94.3	-0.41	

Parameter oriented report Metals and trace elements
M160

Sample: M160BHG, Parameter: Mercury

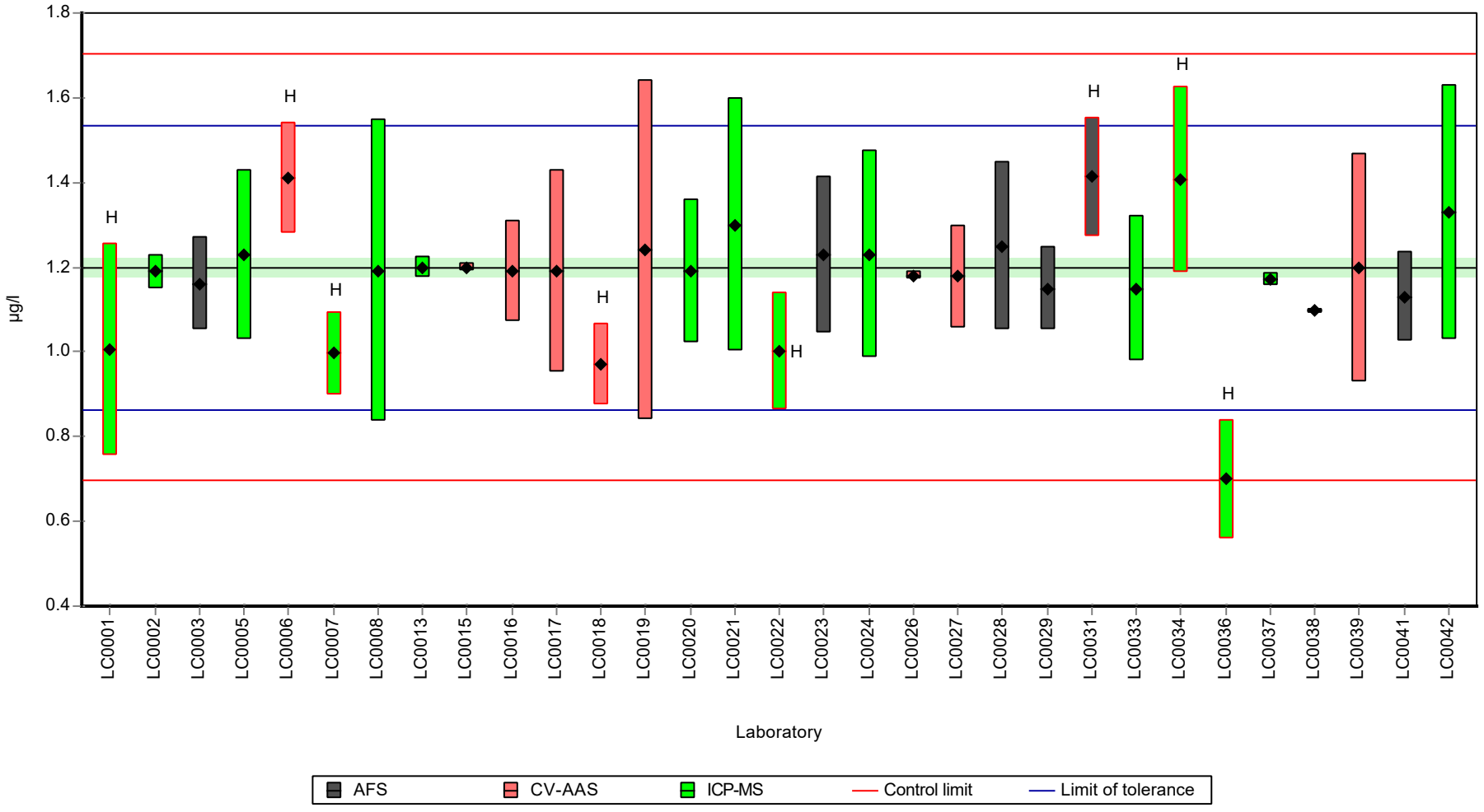
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	1.33	0.3	111	0.78	
LC0043	-	-	-	-	
LC0044	-	-	-	-	

Characteristics of parameter

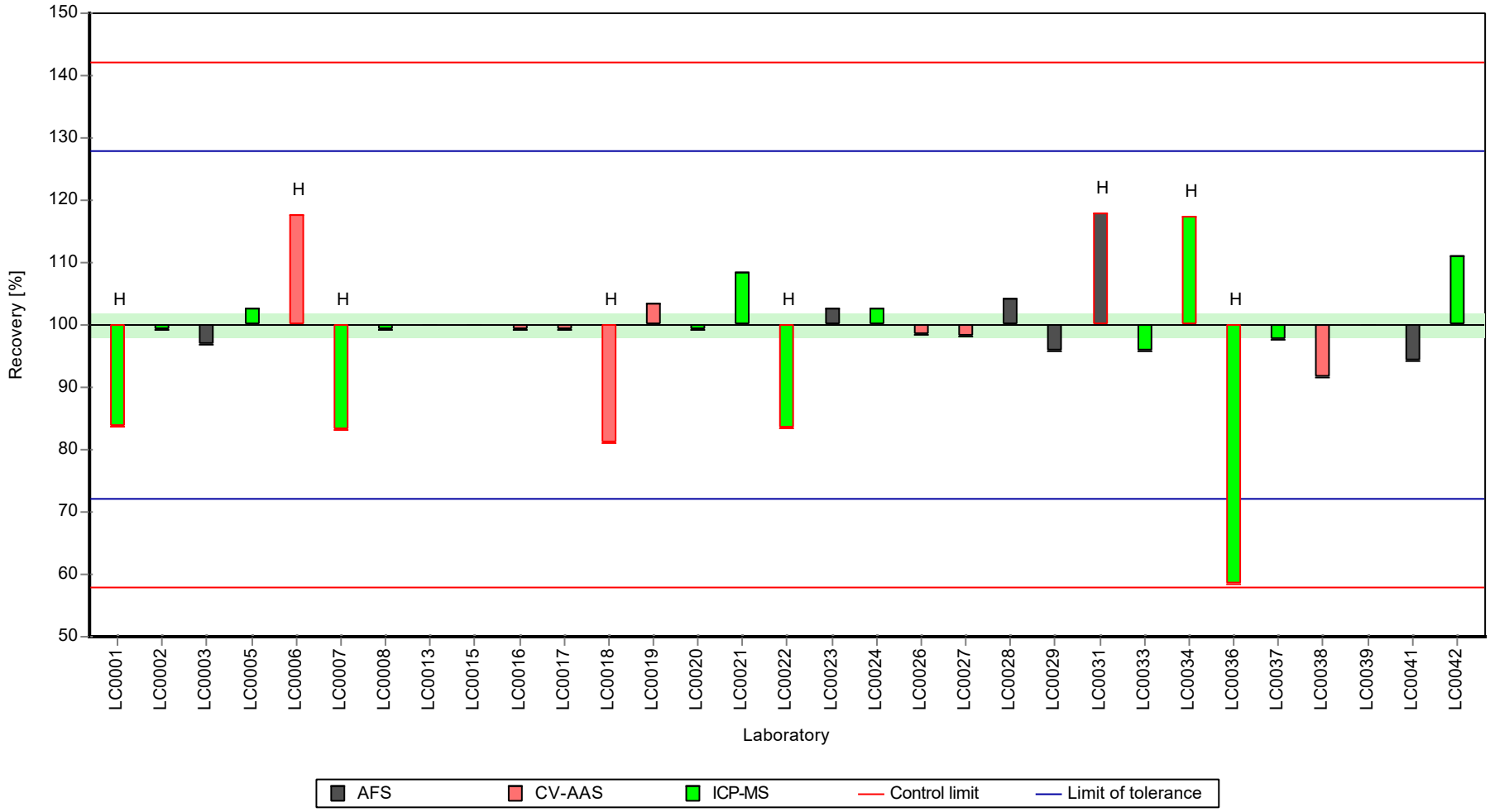
	all results	without outliers	Unit
Mean ± CI (99%)	1.18 ± 0.0759	1.2 ± 0.0321	µg/l
Minimum	0.7	1.1	µg/l
Maximum	1.41	1.33	µg/l
Standard deviation	0.141	0.0513	µg/l
rel. standard deviation	12	4.28	%
n	31	23	-

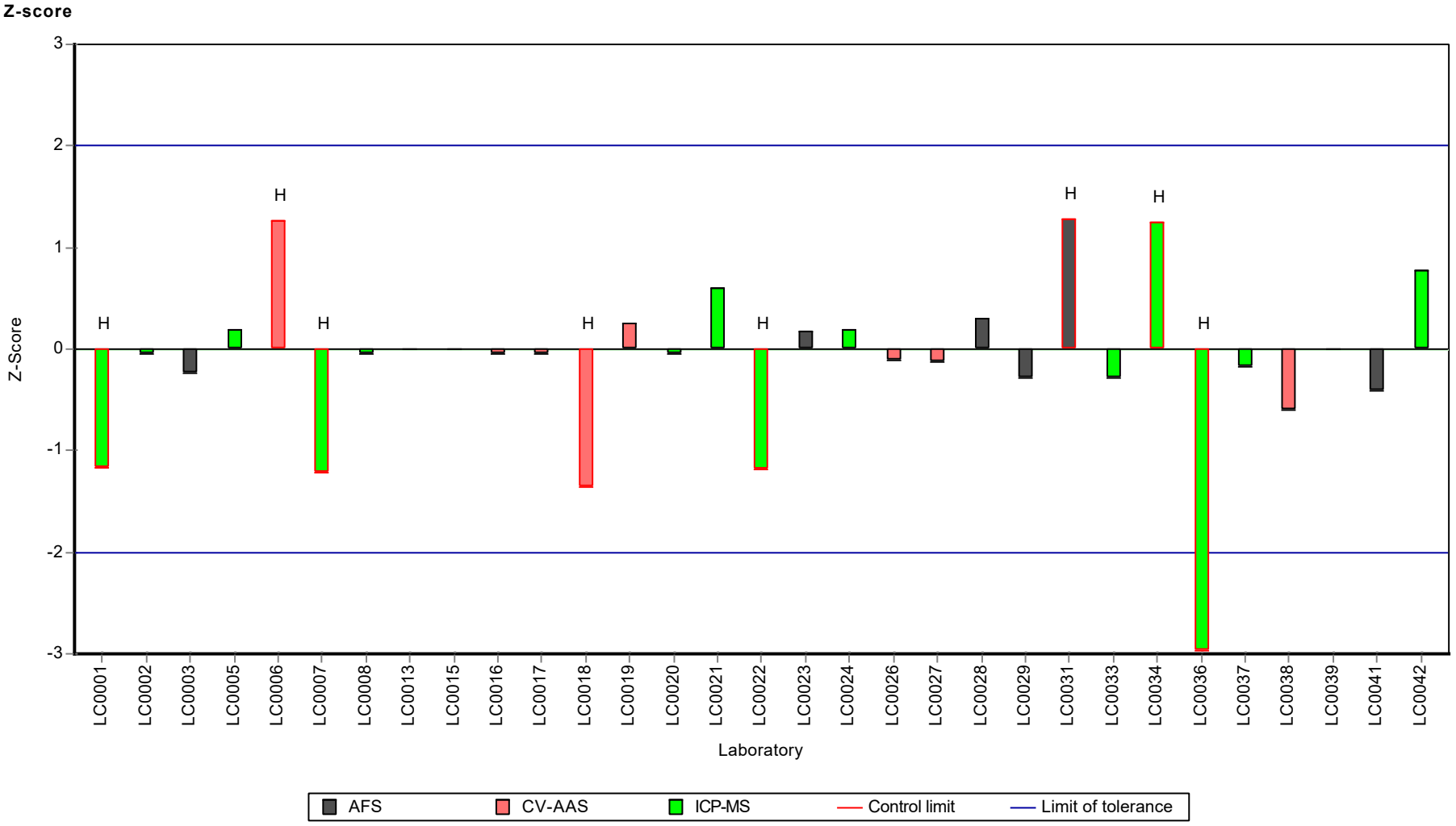
Graphical presentation of results

Results



Recovery rate




Z-score
Z-Score
3
2
1
0
-1
-2
-3
H
LC0001
LC0002
LC0003
LC0005
LC0006
LC0007
LC0008
LC0013
LC0015
LC0016
LC0017
LC0018
LC0019
LC0020
LC0021
LC0022
LC0023
LC0024
LC0026
LC0027
LC0028
LC0029
LC0031
LC0033
LC0034
LC0036
LC0037
LC0038
LC0039
LC0041
LC0042
Laboratory
AFS
CV-AAS
ICP-MS
Control limit
Limit of tolerance

Parameter oriented report

M160 A

Nickel

Unit	µg/l
Assigned value ± U (k=2)	5.18 ± 0.152
Criterion	0.622 (12 %)
Minimum - Maximum	4.21 - 6.26
Control test value ± U (k=2)	4.870 ± 0.584

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	5.56	0.834	107	0.6	
LC0002	4.45	0.12	85.8	-1.18	
LC0003	4.81	0.48	92.8	-0.6	
LC0004	5.11	1.33	98.6	-0.12	
LC0005	5.7	0.8	110	0.83	
LC0006	5.49	0.14	106	0.49	
LC0007	4.21	0.42	81.2	-1.57	
LC0008	4.45	1	85.8	-1.18	
LC0009	5.51	0.5	106	0.52	
LC0010	5.04	0.35	97.2	-0.23	
LC0011	-	-	-	-	
LC0012	5.44	0.35	105	0.41	
LC0013	7.13	0.58	138	3.13	H
LC0014	-	-	-	-	
LC0015	6.26	0.52	121	1.73	
LC0016	5.1	0.51	98.4	-0.14	
LC0017	5.53	1.11	107	0.56	
LC0018	5.037	0.5	97.2	-0.24	
LC0019	5.06	0.5	97.6	-0.2	
LC0020	4.5	0.7	86.8	-1.1	
LC0021	5.3	0.9	102	0.19	
LC0022	5.31	0.438	102	0.2	
LC0023	5.2	0.52	100	0.03	
LC0024	5.3	0.53	102	0.19	
LC0025	-	-	-	-	
LC0026	5.15	0.0919	99.3	-0.05	
LC0027	4.764	0.7427	91.9	-0.68	
LC0028	4.52	0.678	87.2	-1.07	
LC0029	5.22	0.26	101	0.06	
LC0030	5.65	0.85	109	0.75	
LC0031	-	-	-	-	
LC0032	-	-	-	-	
LC0033	5.26	0.79	101	0.12	
LC0034	5.223	0.4	101	0.06	
LC0035	4.759	0.238	91.8	-0.68	
LC0036	5.4	0.45	104	0.35	
LC0037	5.94	0.13	115	1.22	
LC0038	5.49	0.1	106	0.49	
LC0039	5.55	0.92	107	0.59	
LC0040	-	-	-	-	
LC0041	5.44	0.48	105	0.41	

Parameter oriented report Metals and trace elements
M160

Sample: M160A, Parameter: Nickel

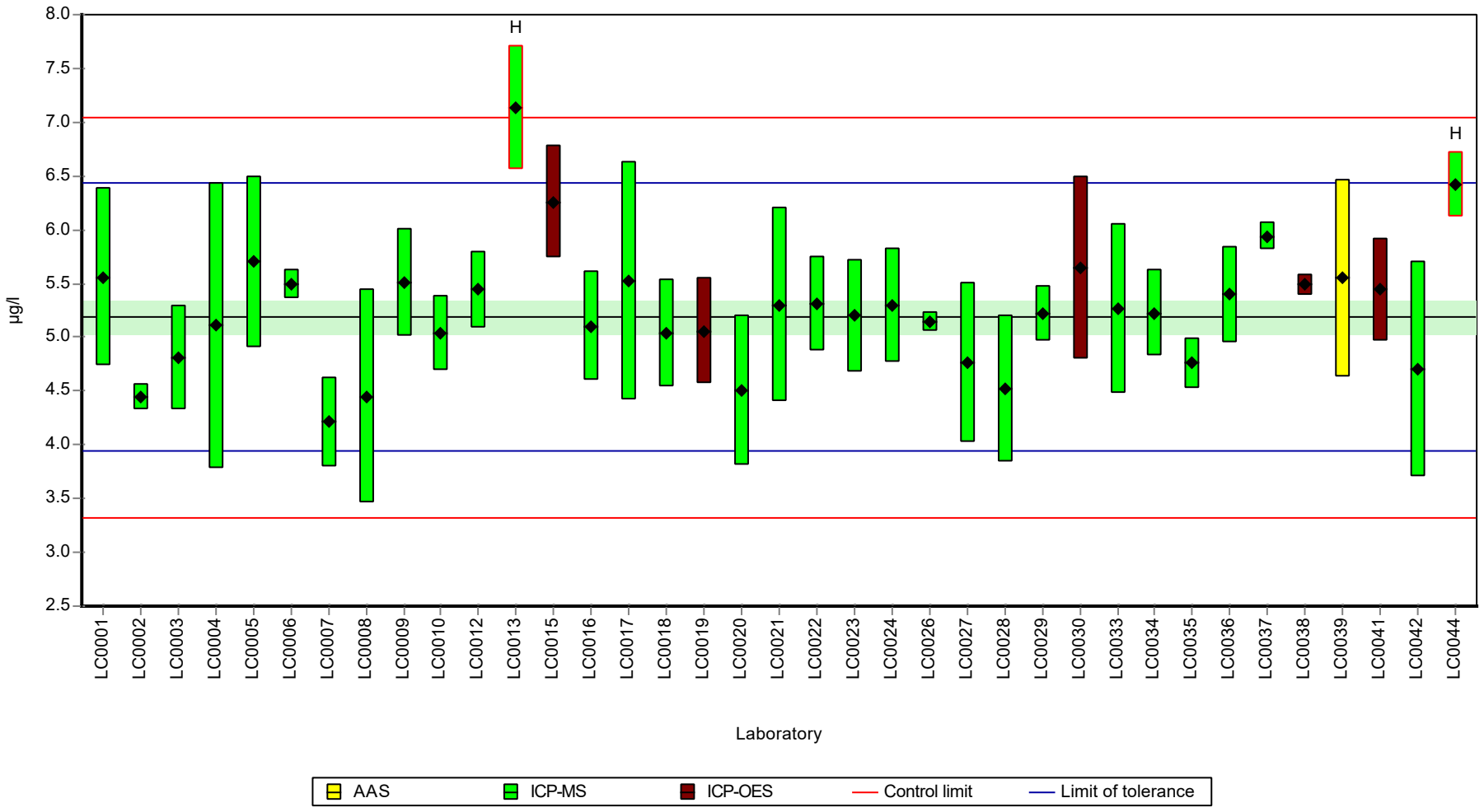
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	4.7	1	90.7	-0.78	
LC0043	-	-	-	-	
LC0044	6.416	0.306	124	1.98	H

Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	5.27 ± 0.284	5.18 ± 0.228	µg/l
Minimum	4.21	4.21	µg/l
Maximum	7.13	6.26	µg/l
Standard deviation	0.575	0.449	µg/l
rel. standard deviation	10.9	8.67	%
n	37	35	-

Graphical presentation of results

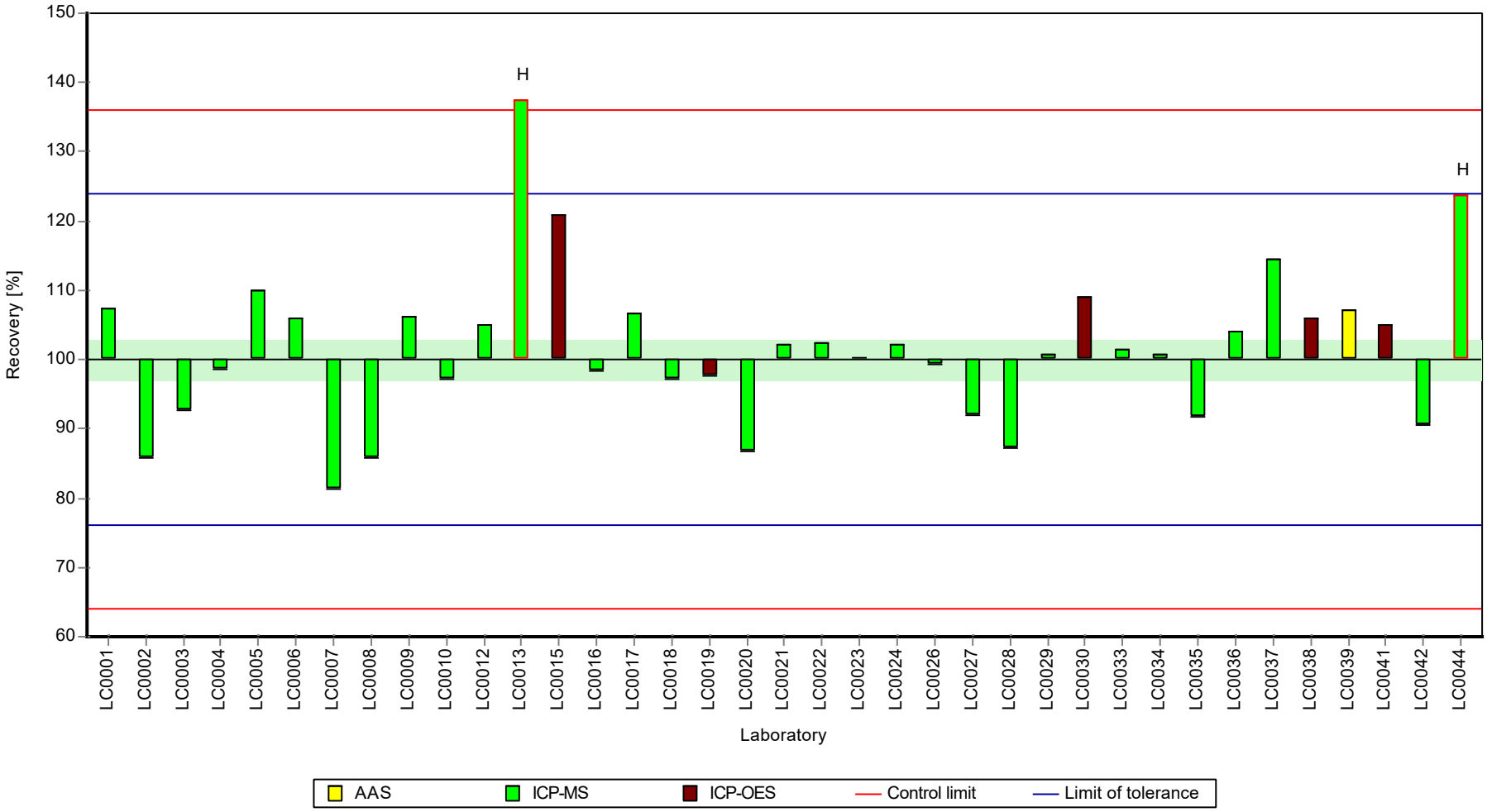
Results

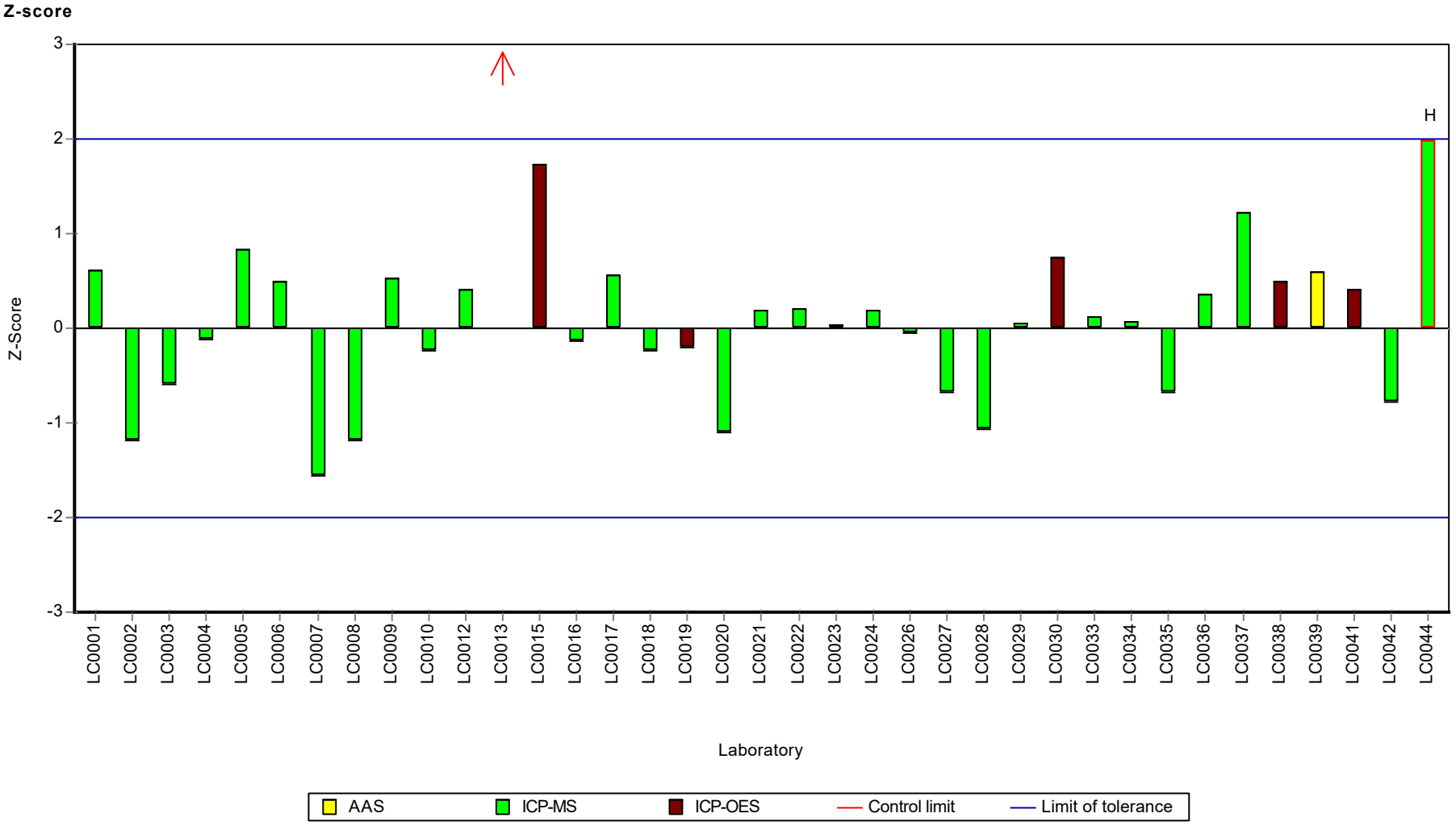


Parameter oriented report Metals and trace elements M160

Sample: M160A, Parameter: Nickel

Recovery rate




Z-score
3
2
1
0
-1
-2
-3
Z-Score
H
LC0001
LC0002
LC0003
LC0004
LC0005
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LC0030
LC0033
LC0034
LC0035
LC0036
LC0037
LC0038
LC0039
LC0041
LC0042
LC0044
Laboratory
AAS
ICP-MS
ICP-OES
Control limit
Limit of tolerance

Parameter oriented report

M160 B

Nickel

Unit	µg/l
Assigned value ± U (k=2)	15.3 ± 0.317
Criterion	1.83 (12 %)
Minimum - Maximum	12.8 - 16.8
Control test value ± U (k=2)	13.90 ± 1.67

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	16.1	2.41	105	0.45	
LC0002	14.12	0.13	92.4	-0.63	
LC0003	14.7	1.5	96.2	-0.31	
LC0004	14.7	3	96.2	-0.31	
LC0005	16.5	4	108	0.67	
LC0006	15.6	0.4	102	0.18	
LC0007	12.9	1.29	84.5	-1.3	
LC0008	13.95	3.14	91.3	-0.72	
LC0009	12.8	1	83.8	-1.35	
LC0010	15.1	1.1	98.9	-0.1	
LC0011	-	-	-	-	
LC0012	16.05	1.02	105	0.42	
LC0013	15.6	1.3	102	0.18	
LC0014	-	-	-	-	
LC0015	16.2	0.2	106	0.51	
LC0016	15.4	1.5	101	0.07	
LC0017	16.6	3.3	109	0.72	
LC0018	15.4	1.5	101	0.07	
LC0019	14.8	1.5	96.9	-0.26	
LC0020	15.5	2.1	101	0.12	
LC0021	15.3	2	100	0.01	
LC0022	16.8	2.16	110	0.83	
LC0023	15.8	1.58	103	0.29	
LC0024	16.1	1.61	105	0.45	
LC0025	-	-	-	-	
LC0026	15.3	0.255	100	0.01	
LC0027	14.43	2.25	94.5	-0.46	
LC0028	14	5.06	91.7	-0.69	
LC0029	16.2	0.81	106	0.51	
LC0030	19.5	2.92	128	2.31	H
LC0031	-	-	-	-	
LC0032	-	-	-	-	
LC0033	15.1	2.27	98.9	-0.1	
LC0034	15.17	1.2	99.3	-0.06	
LC0035	14.647	0.732	95.9	-0.34	
LC0036	14.8	1.23	96.9	-0.26	
LC0037	15.6	0.15	102	0.18	
LC0038	15.3	0.1	100	0.01	
LC0039	16.4	2.72	107	0.61	
LC0040	-	-	-	-	
LC0041	15.68	1.375	103	0.22	

Parameter oriented report Metals and trace elements
M160

Sample: M160B, Parameter: Nickel

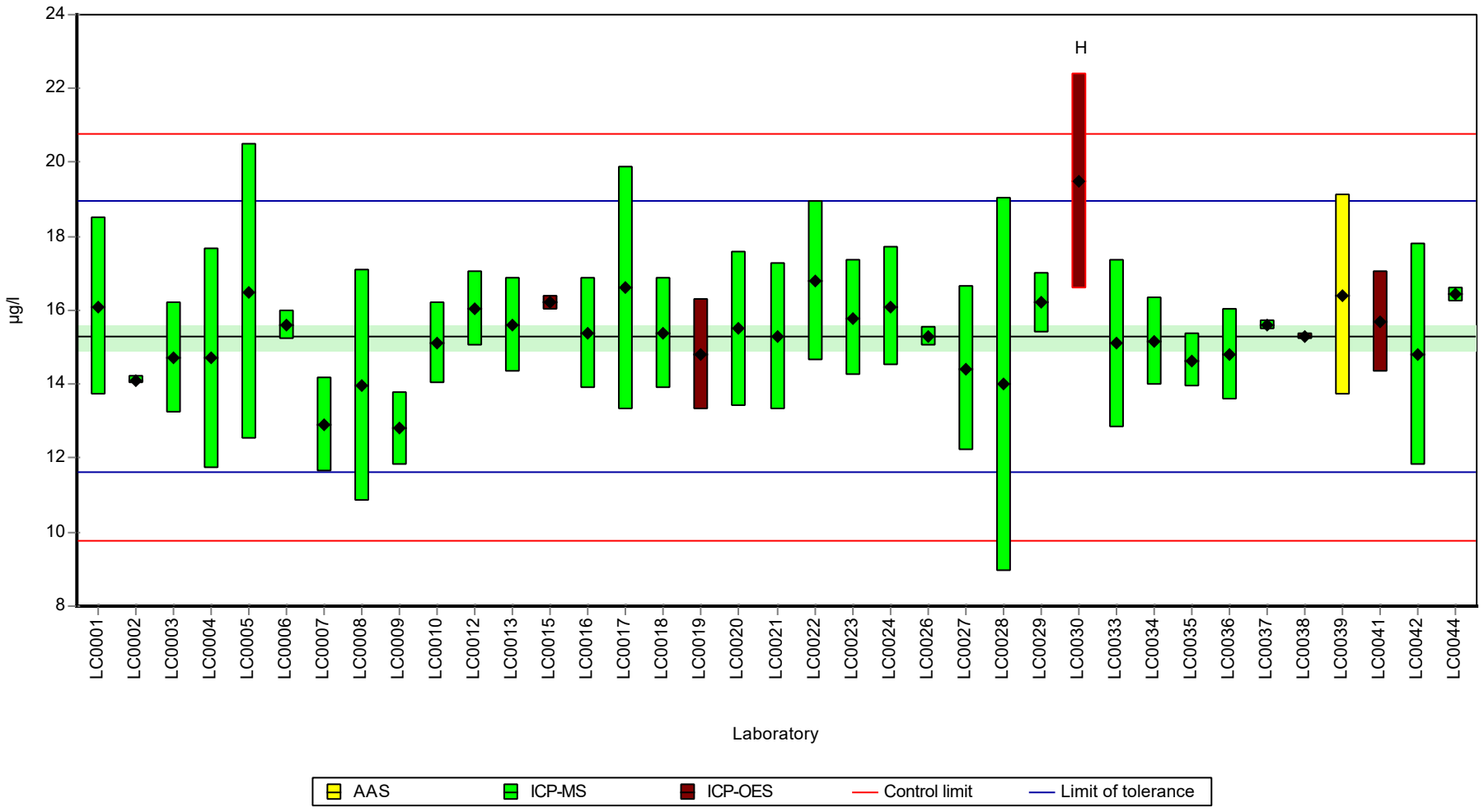
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	14.8	3	96.9	-0.26	
LC0043	-	-	-	-	
LC0044	16.423	0.206	108	0.63	

Characteristics of parameter

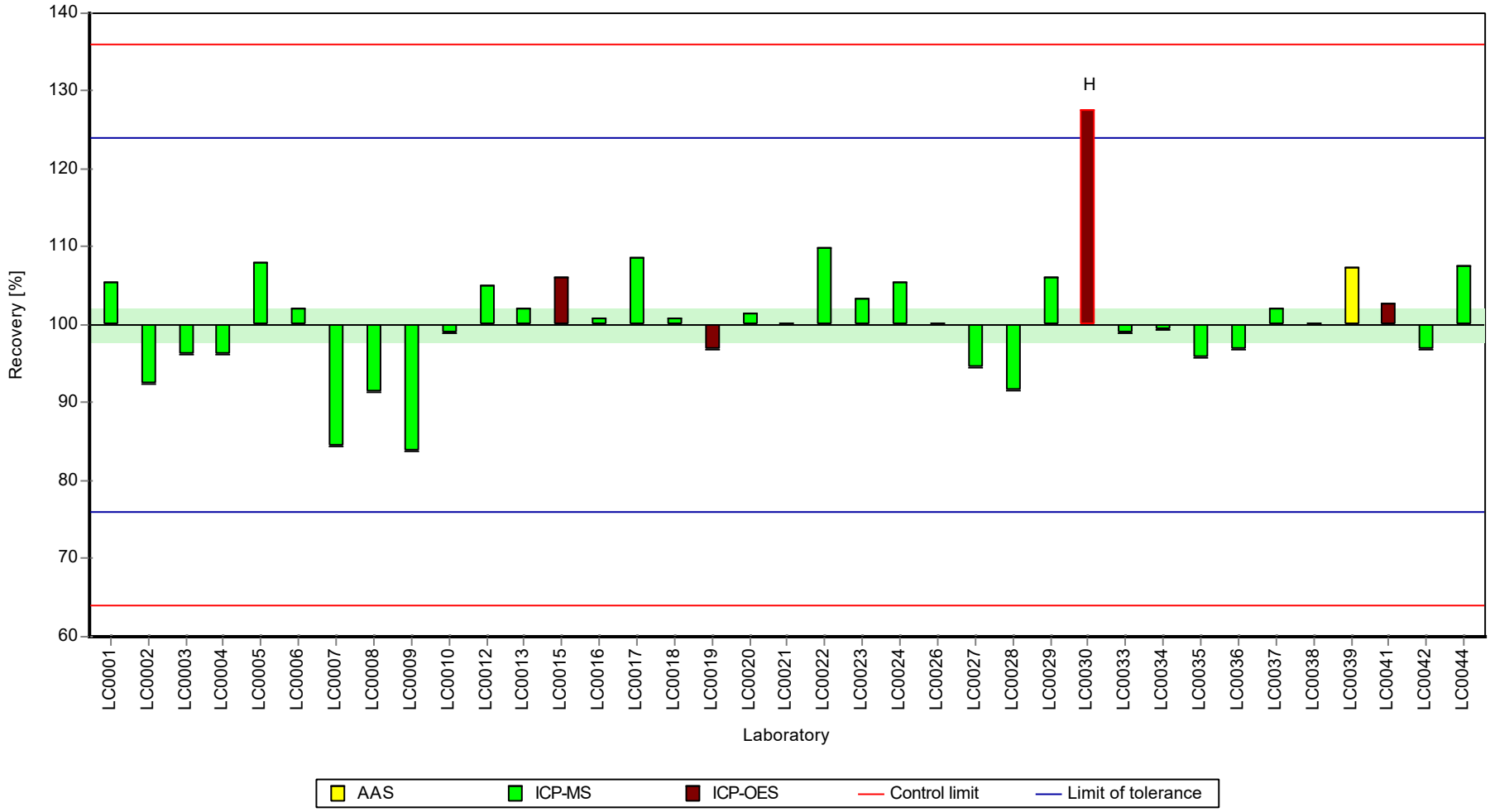
	all results	without outliers	Unit
Mean ± CI (99%)	15.4 ± 0.576	15.3 ± 0.476	µg/l
Minimum	12.8	12.8	µg/l
Maximum	19.5	16.8	µg/l
Standard deviation	1.17	0.951	µg/l
rel. standard deviation	7.59	6.23	%
n	37	36	-

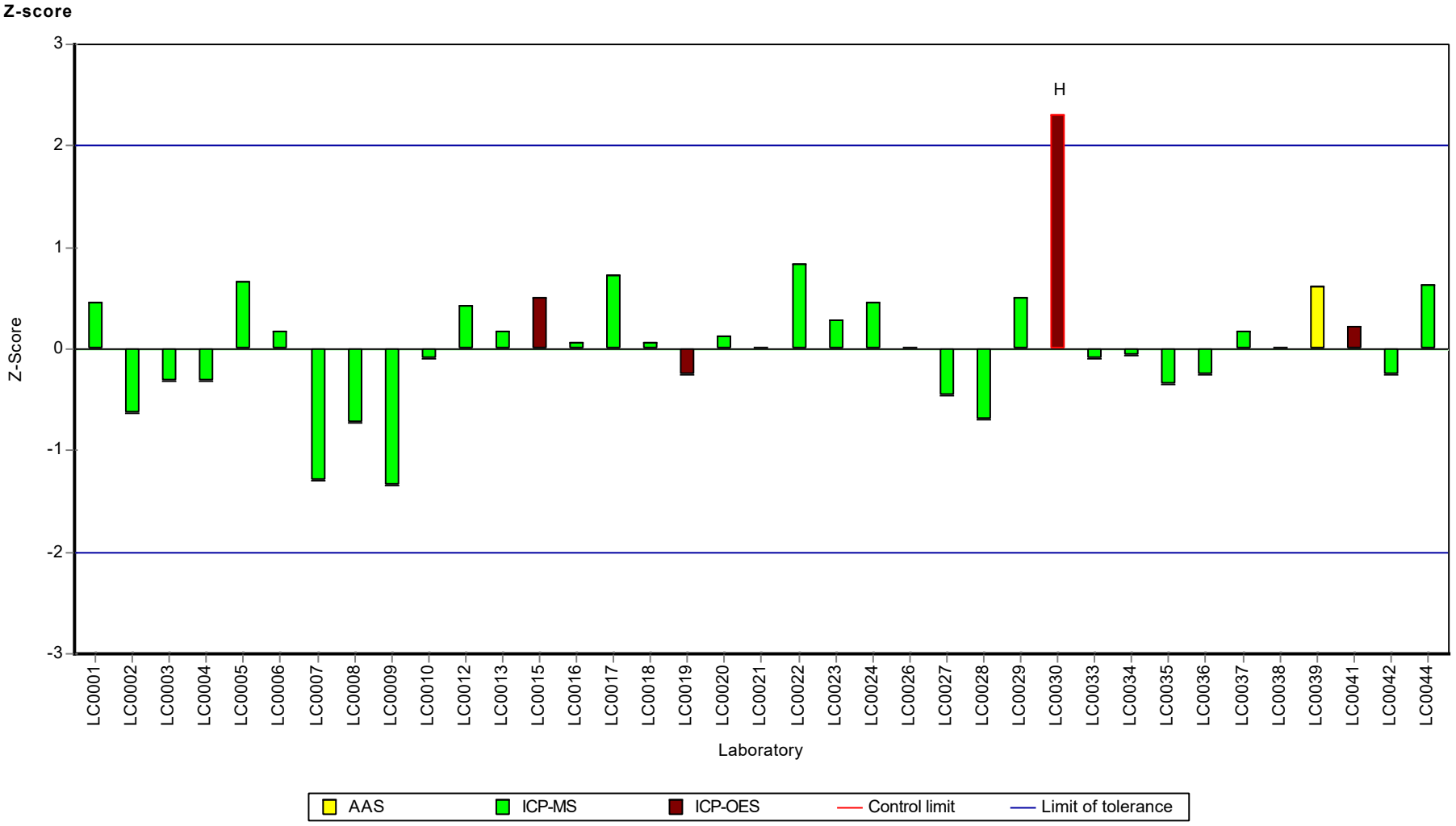
Graphical presentation of results

Results



Recovery rate




Z-score
Z-Score
3
2
1
0
-1
-2
-3
H
LC0001
LC0002
LC0003
LC0004
LC0005
LC0006
LC0007
LC0008
LC0009
LC0010
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LC0015
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LC0030
LC0033
LC0034
LC0035
LC0036
LC0037
LC0038
LC0039
LC0041
LC0042
LC0044
Laboratory
AAS
ICP-MS
ICP-OES
Control limit
Limit of tolerance

Parameter oriented report

M160 A

Selenium

Unit	µg/l
Assigned value ± U (k=2)	2.19 ± 0.0565
Criterion	0.262 (12 %)
Minimum - Maximum	1.88 - 2.6
Control test value ± U (k=2)	2.580 ± 0.397

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	2.26	0.226	103	0.28	
LC0002	1.88	0.35	86	-1.16	
LC0003	2.21	0.21	101	0.09	
LC0004	2.16	0.59	98.8	-0.1	
LC0005	2.25	0.6	103	0.25	
LC0006	2.23	0.07	102	0.17	
LC0007	2.22	0.22	102	0.13	
LC0008	2.15	0.55	98.4	-0.14	
LC0009	0.97	0.5	44.4	-4.63	H
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	2.15	0.073	98.4	-0.14	
LC0014	-	-	-	-	
LC0015	<0.02 (LOD)	-	-	-	FN
LC0016	2.15	0.22	98.4	-0.14	
LC0017	2.44	0.49	112	0.97	
LC0018	2.135	0.21	97.7	-0.19	
LC0019	2.6	0.3	119	1.58	
LC0020	2.3	0.3	105	0.44	
LC0021	< 5 (LOQ)	-	-	-	
LC0022	2.2	0.2	101	0.06	
LC0023	2.3	0.345	105	0.44	
LC0024	2.25	0.337	103	0.25	
LC0025	-	-	-	-	
LC0026	2.23	0.116	102	0.17	
LC0027	2.036	0.1602	93.2	-0.57	
LC0028	2.03	0.285	92.9	-0.59	
LC0029	2.2	0.2	101	0.06	
LC0030	-	-	-	-	
LC0031	-	-	-	-	
LC0032	-	-	-	-	
LC0033	2.15	0.32	98.4	-0.14	
LC0034	2.103	0.25	96.2	-0.32	
LC0035	2.007	0.2007	91.8	-0.68	
LC0036	< 3 (LOQ)	-	-	-	
LC0037	2.11	0.071	96.5	-0.29	
LC0038	2.03	0.1	92.9	-0.59	
LC0039	4	0.45	183	6.92	H
LC0040	-	-	-	-	
LC0041	2.748	0.18	126	2.14	H

Parameter oriented report Metals and trace elements
M160

Sample: M160A, Parameter: Selenium

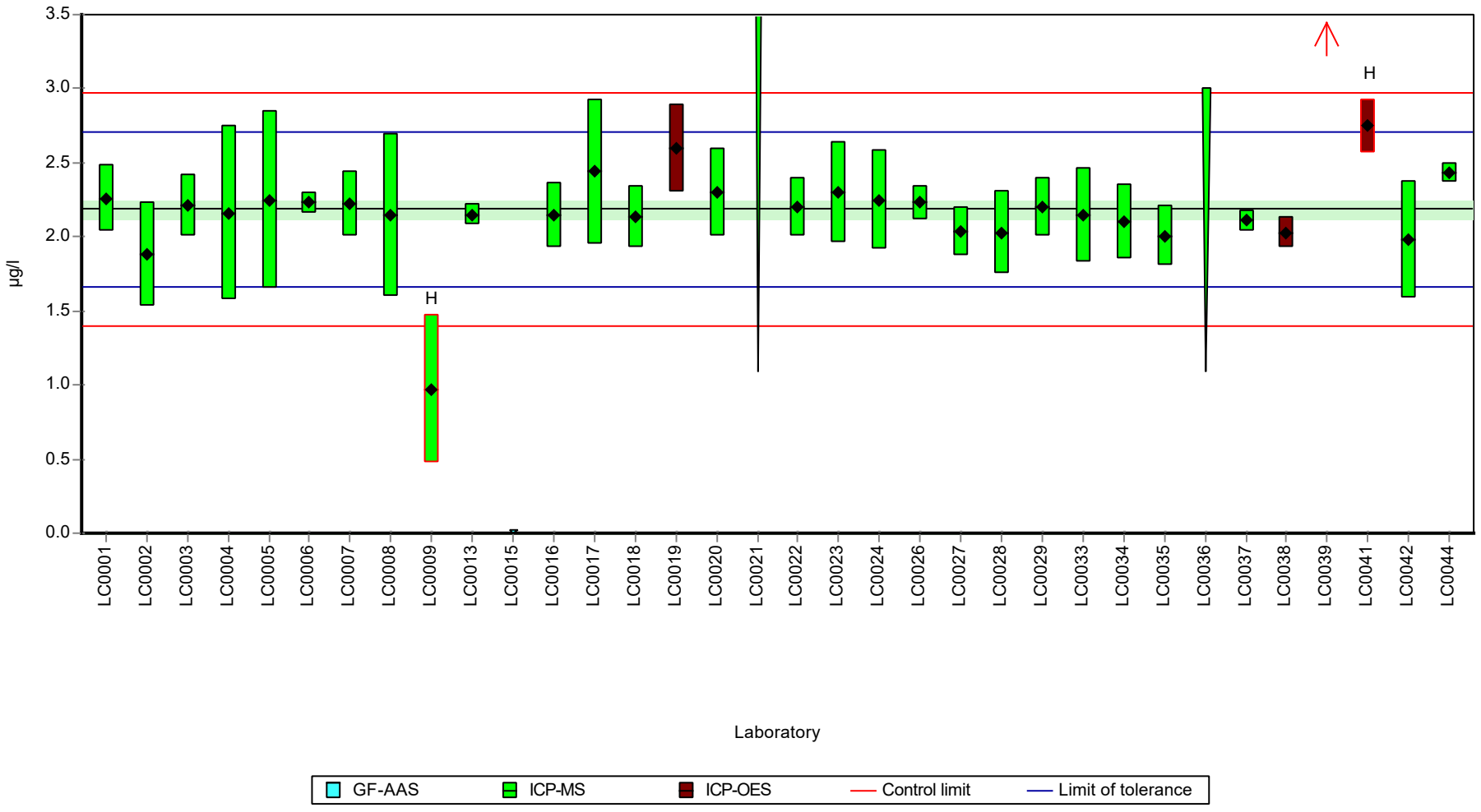
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	1.98	0.4	90.6	-0.78	
LC0043	-	-	-	-	
LC0044	2.433	0.0665	111	0.94	

Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	2.22 ± 0.234	2.19 ± 0.0847	µg/l
Minimum	0.97	1.88	µg/l
Maximum	4	2.6	µg/l
Standard deviation	0.434	0.149	µg/l
rel. standard deviation	19.5	6.84	%
n	31	28	-

Graphical presentation of results

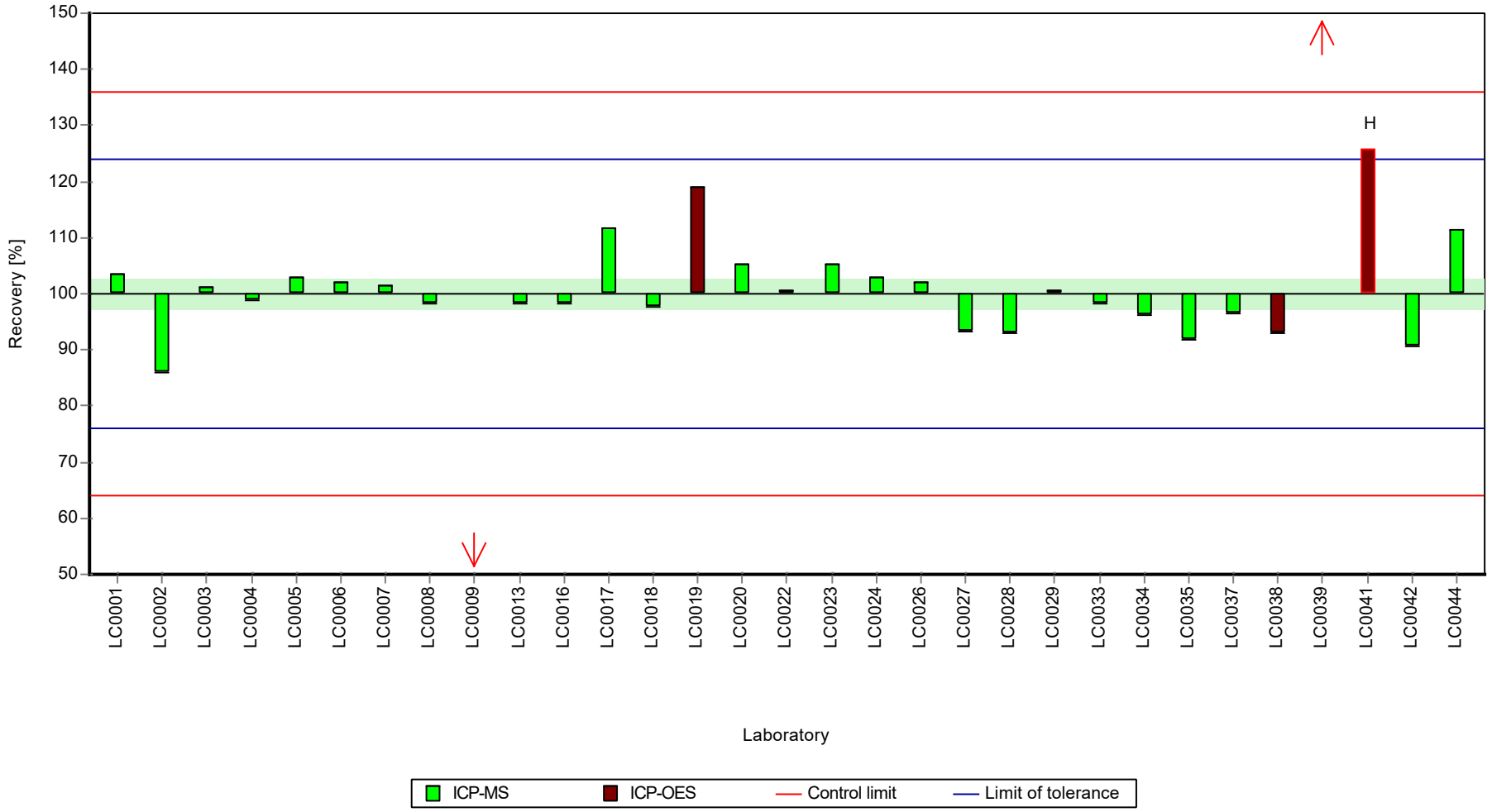
Results



Parameter oriented report Metals and trace elements M160

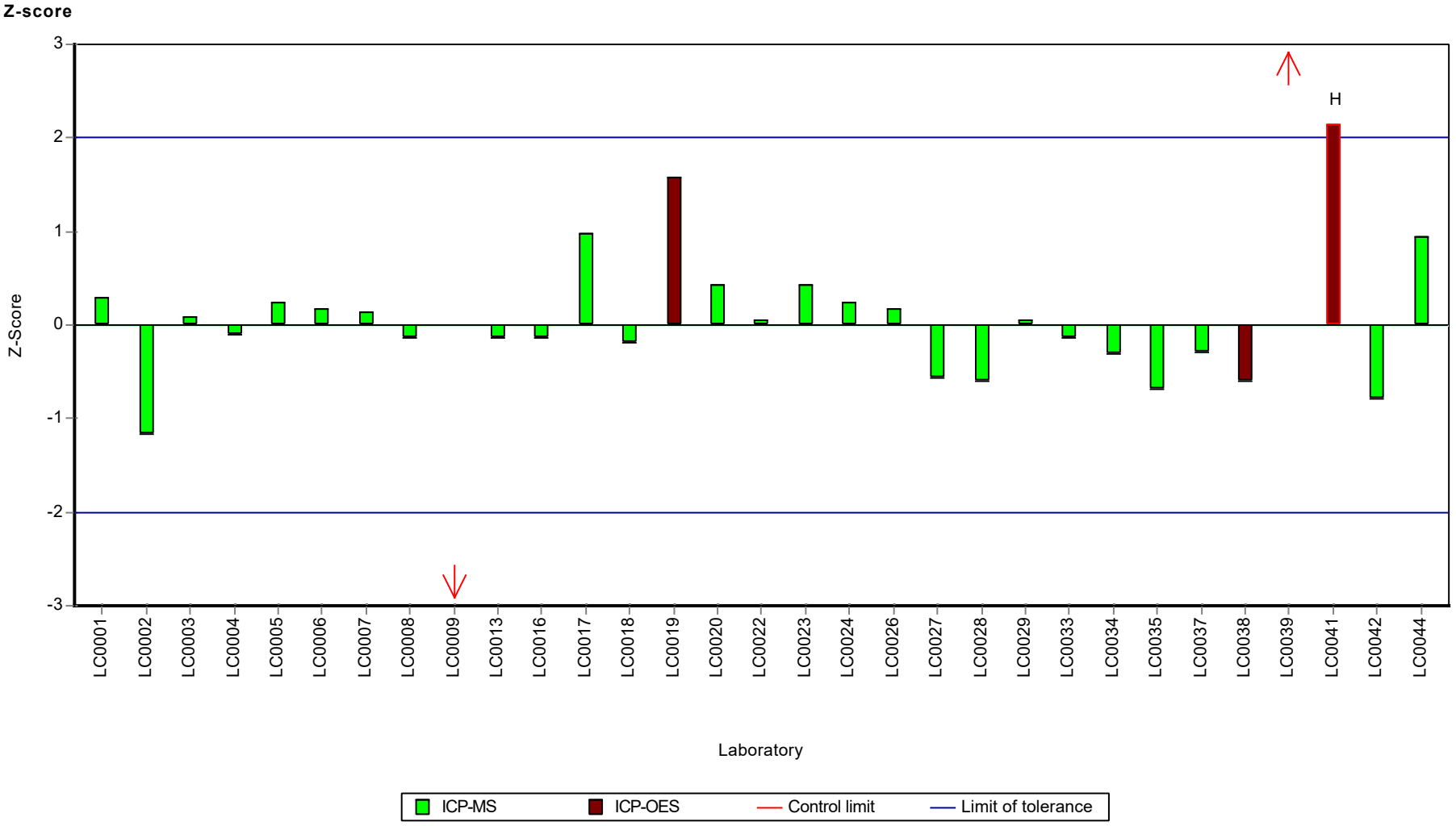
Sample: M160A, Parameter: Selenium

Recovery rate



Parameter oriented report Metals and trace elements M160

Sample: M160A, Parameter: Selenium



Parameter oriented report

M160 B

Selenium

Unit	µg/l
Assigned value ± U (k=2)	5.28 ± 0.126
Criterion	0.634 (12 %)
Minimum - Maximum	4.65 - 6.11
Control test value ± U (k=2)	6.050 ± 0.932

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	5.51	0.551	104	0.36	
LC0002	4.84	0.71	91.6	-0.7	
LC0003	6.05	0.6	115	1.21	
LC0004	5.34	1.12	101	0.09	
LC0005	5.1	1	96.6	-0.29	
LC0006	5.65	0.18	107	0.58	
LC0007	5.41	0.54	102	0.2	
LC0008	5.32	1.37	101	0.06	
LC0009	4.21	0.8	79.7	-1.69	H
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	5.2	0.18	98.5	-0.13	
LC0014	-	-	-	-	
LC0015	4.65	0.09	88	-1	
LC0016	5.26	0.53	99.6	-0.03	
LC0017	6.11	1.22	116	1.31	
LC0018	5.1	0.51	96.6	-0.29	
LC0019	5.1	0.5	96.6	-0.29	
LC0020	5.3	0.6	100	0.03	
LC0021	5.8	2	110	0.82	
LC0022	4.97	0.531	94.1	-0.49	
LC0023	5.8	0.87	110	0.82	
LC0024	5.6	0.83	106	0.5	
LC0025	-	-	-	-	
LC0026	5.24	0.106	99.2	-0.07	
LC0027	5.078	0.3996	96.1	-0.32	
LC0028	4.84	0.727	91.6	-0.7	
LC0029	5.25	0.5	99.4	-0.05	
LC0030	-	-	-	-	
LC0031	-	-	-	-	
LC0032	-	-	-	-	
LC0033	5.16	0.77	97.7	-0.19	
LC0034	5.145	0.62	97.4	-0.22	
LC0035	4.909	0.491	92.9	-0.59	
LC0036	5.7	0.18	108	0.66	
LC0037	5.35	0.045	101	0.11	
LC0038	5.12	0.1	96.9	-0.26	
LC0039	6.5	0.73	123	1.92	H
LC0040	-	-	-	-	
LC0041	5.013	0.33	94.9	-0.42	

Parameter oriented report Metals and trace elements
M160

Sample: M160B, Parameter: Selenium

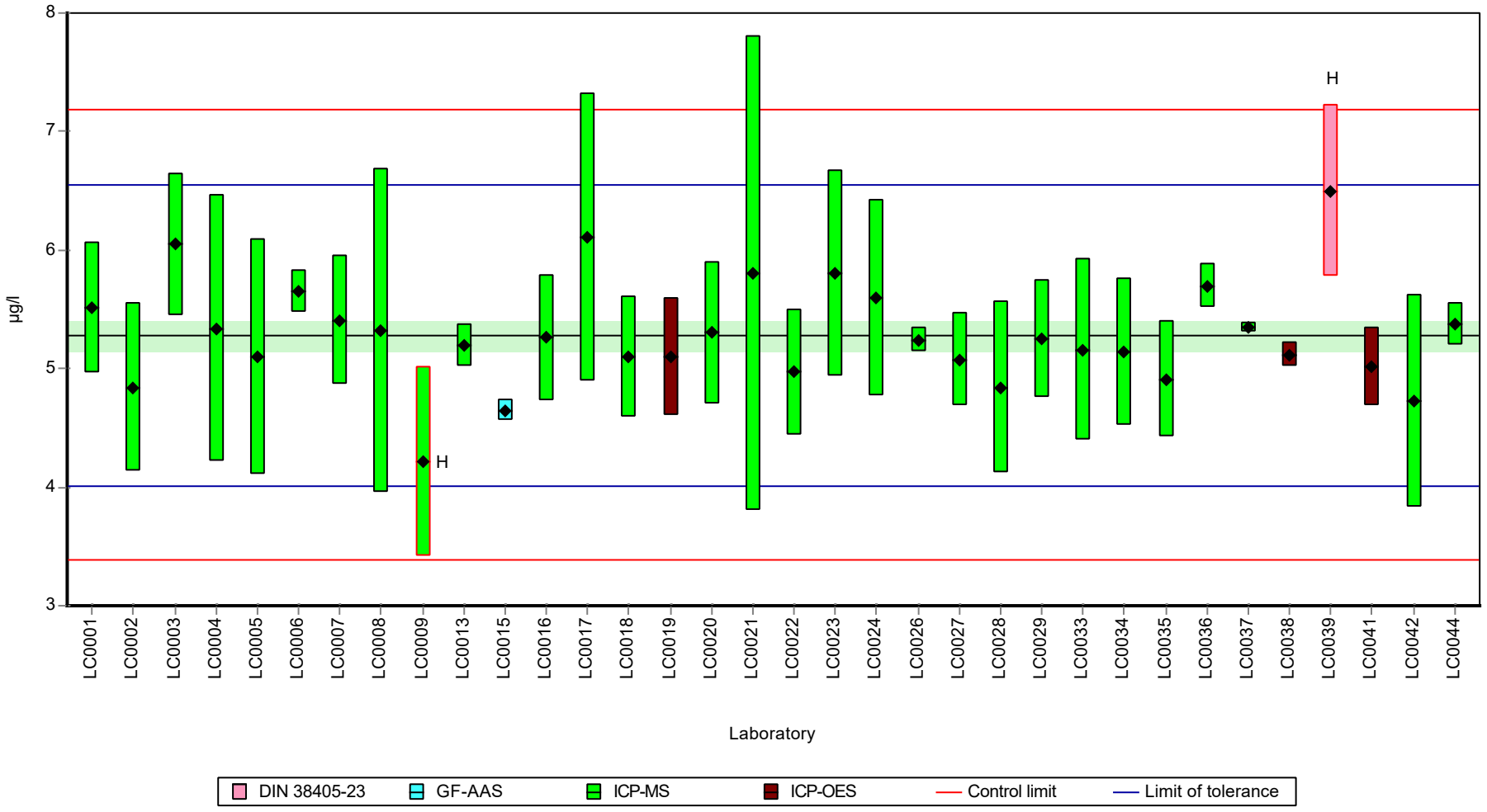
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	4.73	0.9	89.6	-0.87	
LC0043	-	-	-	-	
LC0044	5.374	0.178	102	0.14	

Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	5.29 ± 0.229	5.28 ± 0.189	µg/l
Minimum	4.21	4.65	µg/l
Maximum	6.5	6.11	µg/l
Standard deviation	0.446	0.356	µg/l
rel. standard deviation	8.43	6.74	%
n	34	32	-

Graphical presentation of results

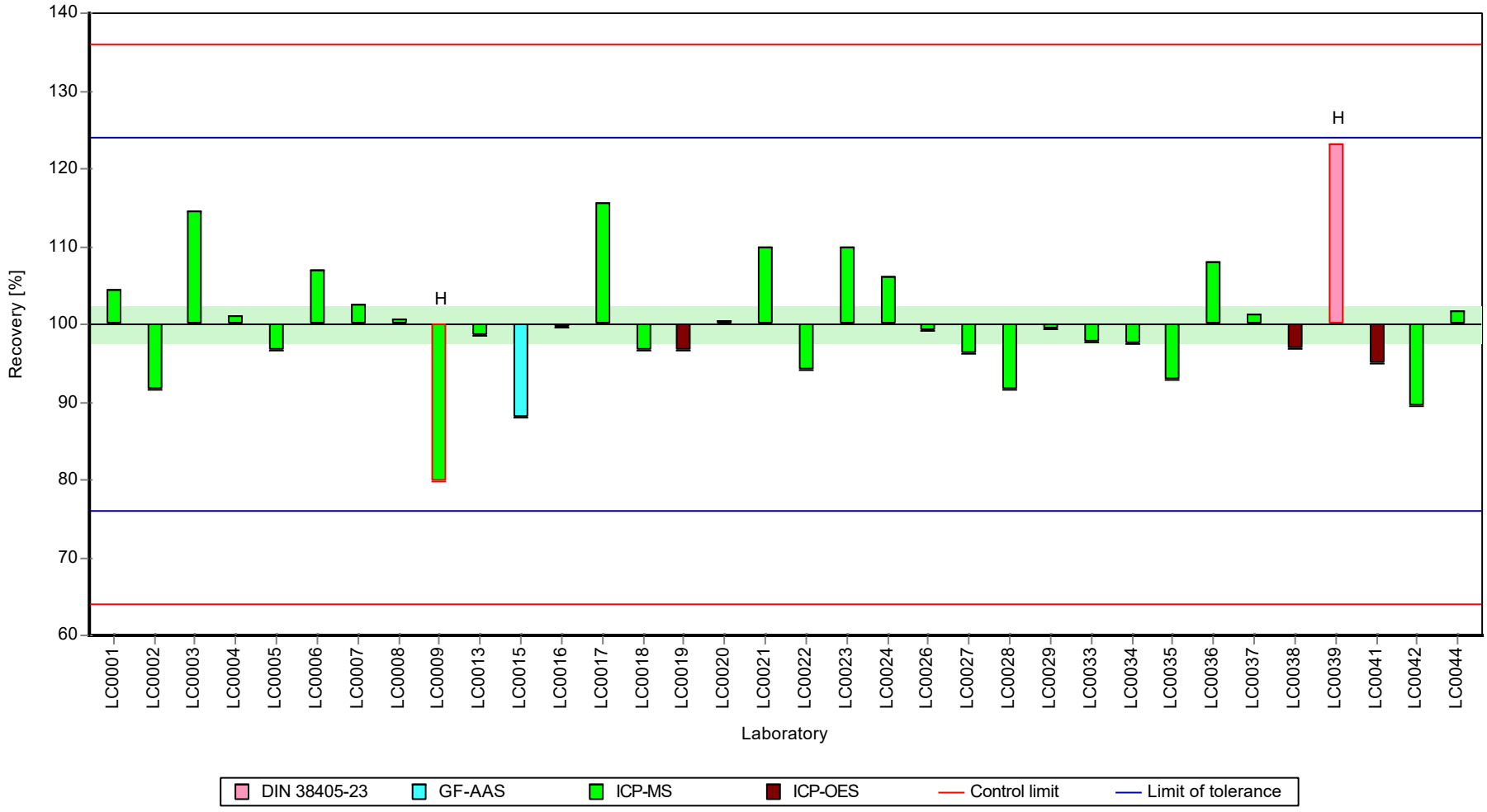
Results

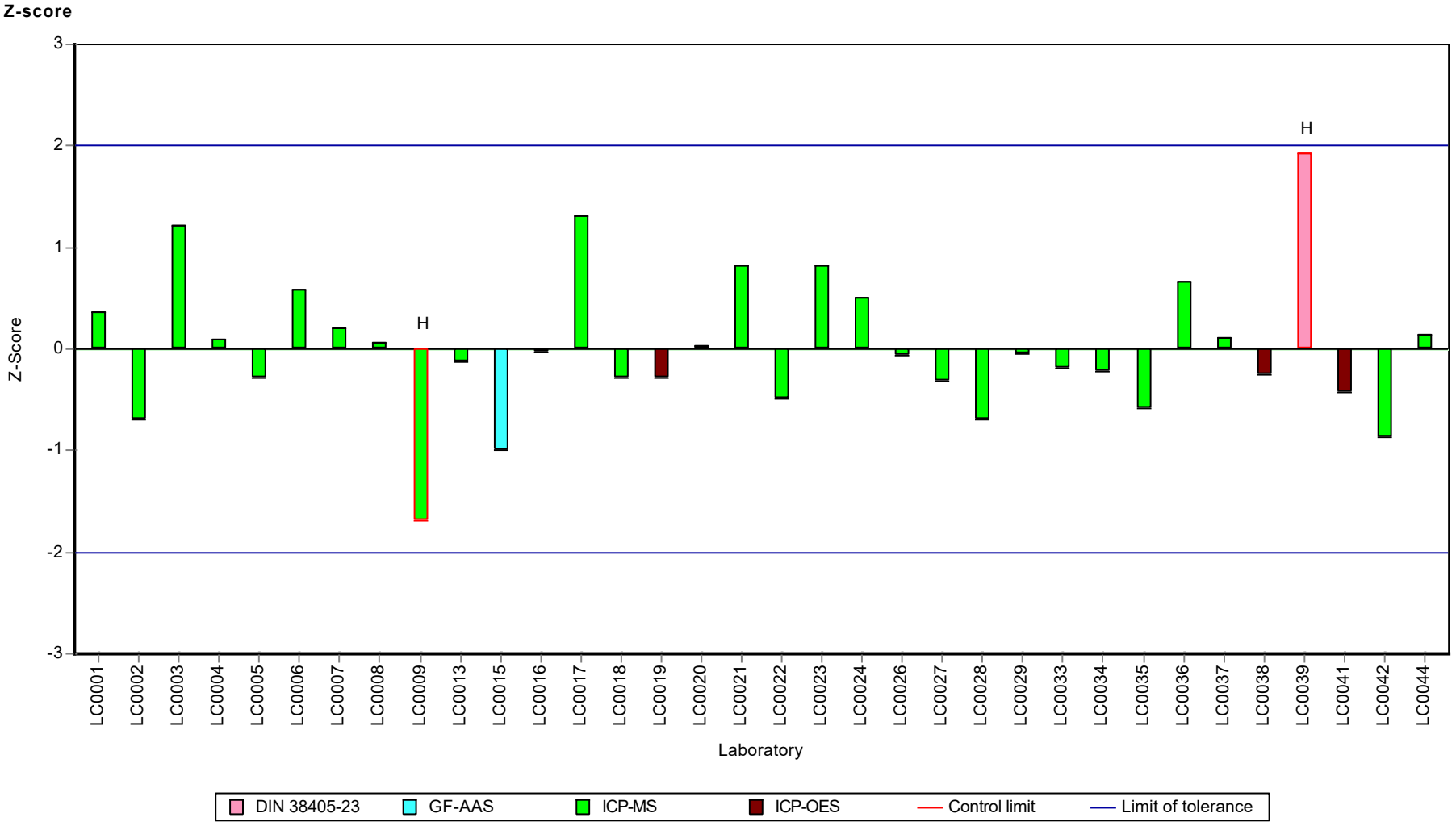


Parameter oriented report Metals and trace elements M160

Sample: M160B, Parameter: Selenium

Recovery rate




Z-score
Z-Score
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0
-1
-2
-3
H
H
LC0001
LC0002
LC0003
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LC0024
LC0026
LC0027
LC0028
LC0029
LC0033
LC0034
LC0035
LC0036
LC0037
LC0038
LC0039
LC0041
LC0042
LC0044
Laboratory
DIN 38405-23
GF-AAS
ICP-MS
ICP-OES
Control limit
Limit of tolerance

Parameter oriented report

M160 A

Uranium

Unit	µg/l
Assigned value ± U (k=2)	3.49 ± 0.113
Criterion	0.231 (6.6 %)
Minimum - Maximum	2.81 - 4.03
Control test value ± U (k=2)	3.510 ± 0.351

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	3.2	0.32	91.6	-1.27	
LC0002	3.39	0.1	97.1	-0.45	
LC0003	3.43	0.34	98.2	-0.27	
LC0004	-	-	-	-	
LC0005	3.7	0.2	106	0.9	
LC0006	2.81	0.17	80.5	-2.96	
LC0007	3.23	0.32	92.5	-1.14	
LC0008	3.48	0.53	99.6	-0.06	
LC0009	-	-	-	-	
LC0010	3.74	0.26	107	1.07	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	3.12	0.38	89.3	-1.62	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	3.74	0.37	107	1.07	
LC0017	3.57	0.71	102	0.34	
LC0018	3.575	0.36	102	0.36	
LC0019	-	-	-	-	
LC0020	3.4	0.3	97.3	-0.4	
LC0021	4	0.5	115	2.2	
LC0022	3.54	0.18	101	0.2	
LC0023	3.73	0.187	107	1.03	
LC0024	3.38	0.338	96.8	-0.49	
LC0025	-	-	-	-	
LC0026	3.66	0.0827	105	0.73	
LC0027	3.535	0.3553	101	0.18	
LC0028	3.09	0.34	88.5	-1.75	
LC0029	3.82	0.35	109	1.42	
LC0030	-	-	-	-	
LC0031	-	-	-	-	
LC0032	-	-	-	-	
LC0033	4.03	0.6	115	2.33	
LC0034	3.527	0.37	101	0.15	
LC0035	3.606	0.224	103	0.49	
LC0036	3.9	0.39	112	1.77	
LC0037	3.32	0.091	95.1	-0.75	
LC0038	-	-	-	-	
LC0039	-	-	-	-	
LC0040	-	-	-	-	
LC0041	5.805	0.442	166	10	H

Parameter oriented report Metals and trace elements
M160

Sample: M160A, Parameter: Uranium

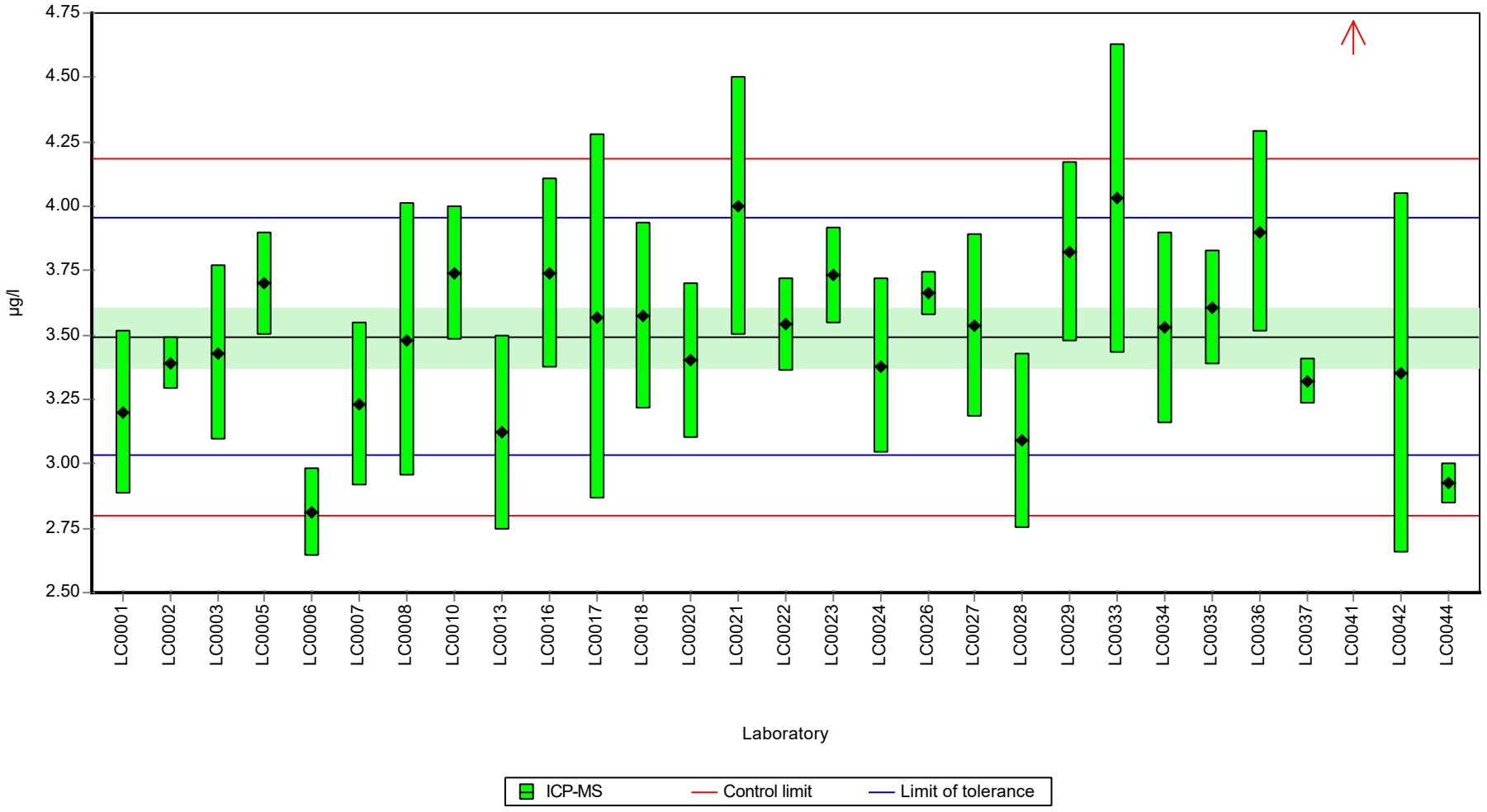
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	3.35	0.7	95.9	-0.62	
LC0043	-	-	-	-	
LC0044	2.924	0.0791	83.7	-2.47	

Characteristics of parameter

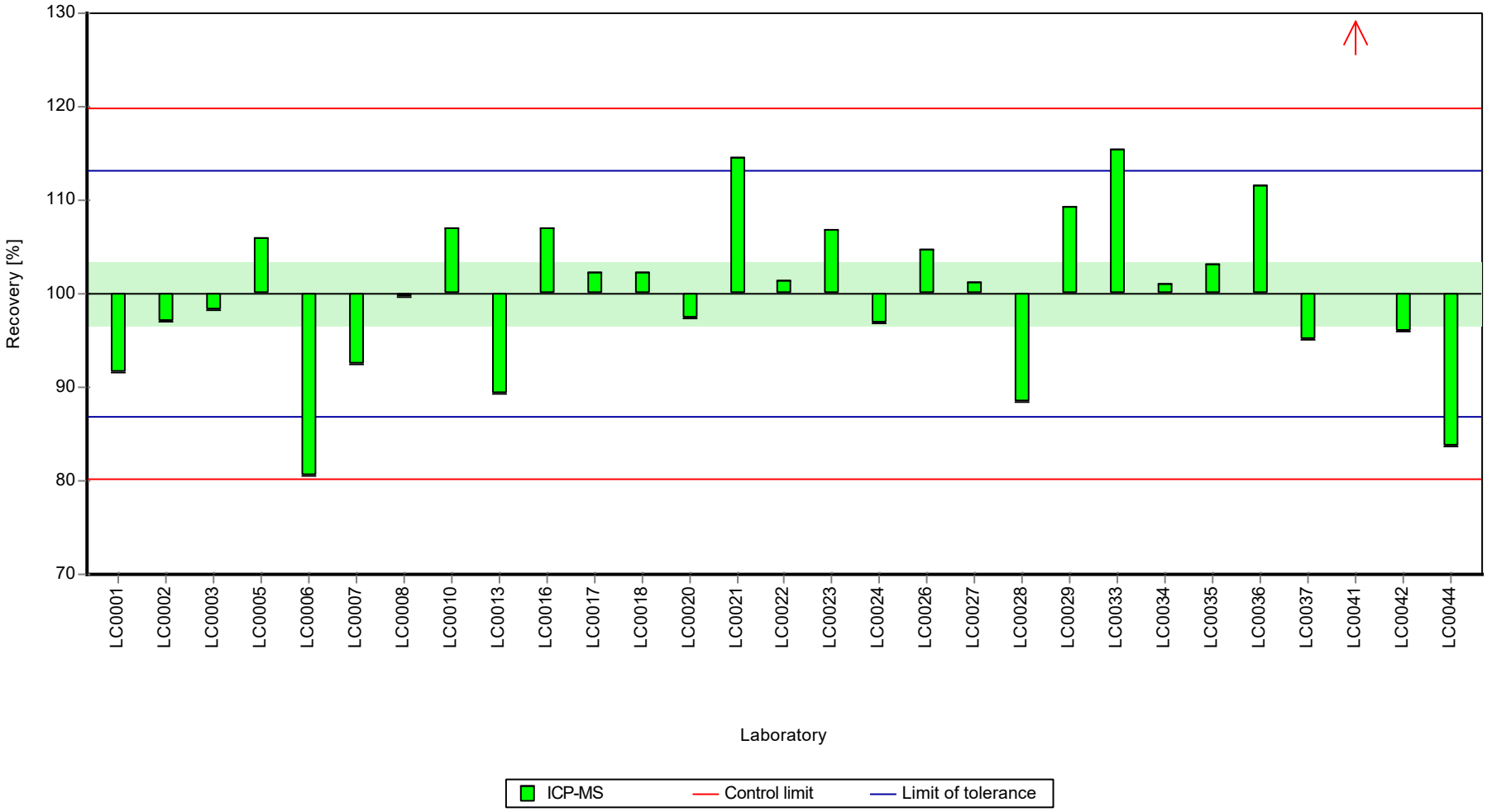
	all results	without outliers	Unit
Mean ± CI (99%)	3.57 ± 0.29	3.49 ± 0.17	µg/l
Minimum	2.81	2.81	µg/l
Maximum	5.81	4.03	µg/l
Standard deviation	0.521	0.3	µg/l
rel. standard deviation	14.6	8.59	%
n	29	28	-

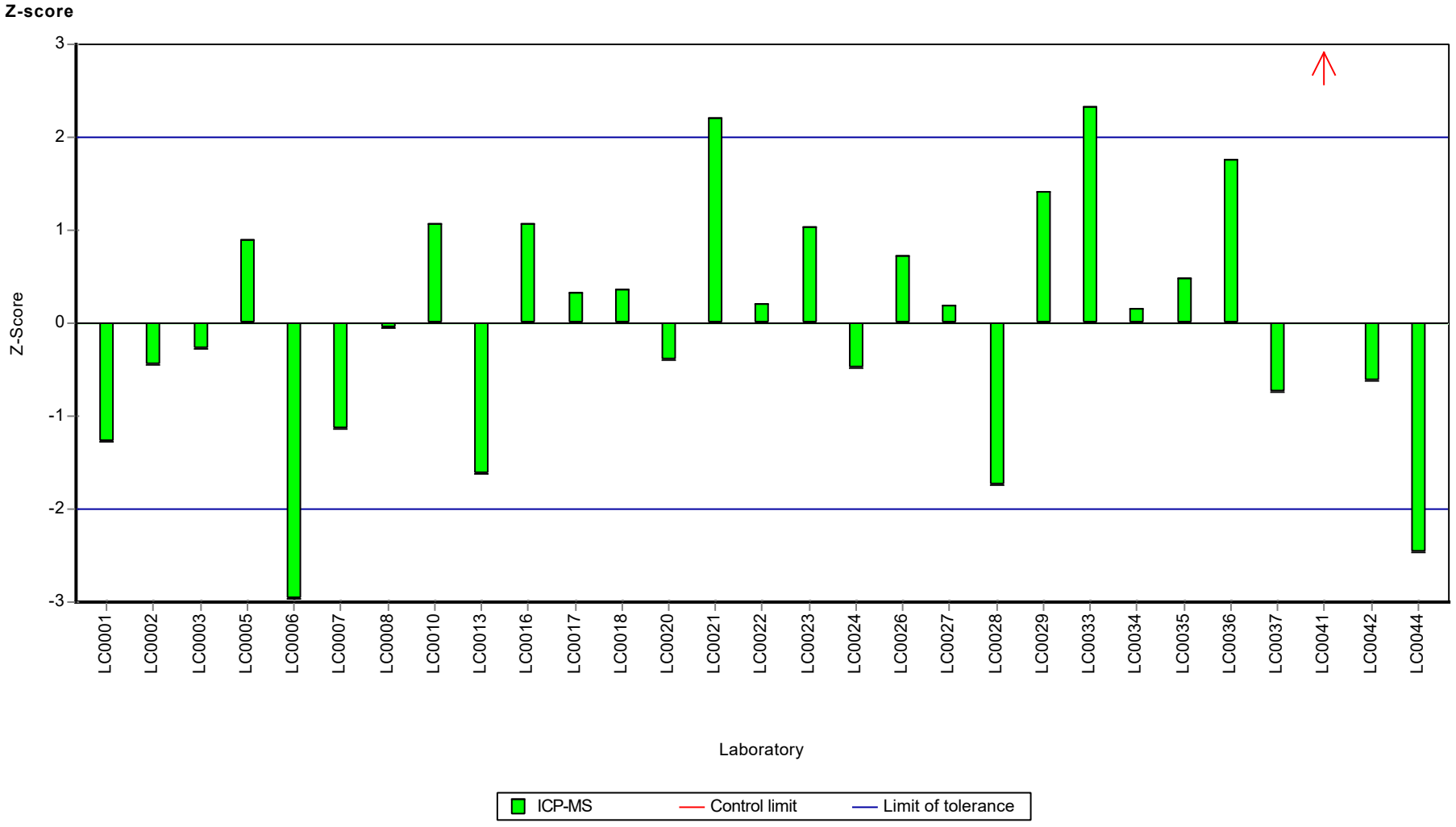
Graphical presentation of results

Results



Recovery rate




Z-score
Z-Score
3
2
1
0
-1
-2
-3
LC0001
LC0002
LC0003
LC0005
LC0006
LC0007
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LC0016
LC0017
LC0018
LC0020
LC0021
LC0022
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LC0026
LC0027
LC0028
LC0029
LC0033
LC0034
LC0035
LC0036
LC0037
LC0041
LC0042
LC0044
Laboratory
ICP-MS
Control limit
Limit of tolerance

Parameter oriented report

M160 B

Uranium

Unit	µg/l
Assigned value ± U (k=2)	1.72 ± 0.0429
Criterion	0.113 (6.6 %)
Minimum - Maximum	1.42 - 1.88
Control test value ± U (k=2)	1.680 ± 0.168

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	1.56	0.156	90.9	-1.38	
LC0002	1.87	0.04	109	1.36	
LC0003	1.74	0.17	101	0.21	
LC0004	-	-	-	-	
LC0005	1.83	0.3	107	1	
LC0006	1.42	0.09	82.7	-2.61	
LC0007	1.66	0.17	96.7	-0.5	
LC0008	1.73	0.26	101	0.12	
LC0009	-	-	-	-	
LC0010	1.79	0.13	104	0.65	
LC0011	-	-	-	-	
LC0012	-	-	-	-	
LC0013	1.54	0.19	89.7	-1.56	
LC0014	-	-	-	-	
LC0015	-	-	-	-	
LC0016	1.69	0.17	98.5	-0.23	
LC0017	1.68	0.34	97.9	-0.32	
LC0018	1.74	0.17	101	0.21	
LC0019	-	-	-	-	
LC0020	1.7	0.2	99.1	-0.14	
LC0021	1.6	0.2	93.2	-1.03	
LC0022	1.72	0.098	100	0.03	
LC0023	1.77	0.089	103	0.47	
LC0024	1.68	0.168	97.9	-0.32	
LC0025	-	-	-	-	
LC0026	1.83	0.0903	107	1	
LC0027	1.768	0.1777	103	0.46	
LC0028	1.58	0.284	92.1	-1.2	
LC0029	1.88	0.2	110	1.45	
LC0030	-	-	-	-	
LC0031	-	-	-	-	
LC0032	-	-	-	-	
LC0033	1.86	0.28	108	1.27	
LC0034	1.75	0.19	102	0.3	
LC0035	1.739	0.104	101	0.2	
LC0036	1.8	0.18	105	0.74	
LC0037	1.81	0.055	105	0.83	
LC0038	-	-	-	-	
LC0039	-	-	-	-	
LC0040	-	-	-	-	
LC0041	2.93	0.22	171	10.7	H

Parameter oriented report Metals and trace elements
M160

Sample: M160B, Parameter: Uranium

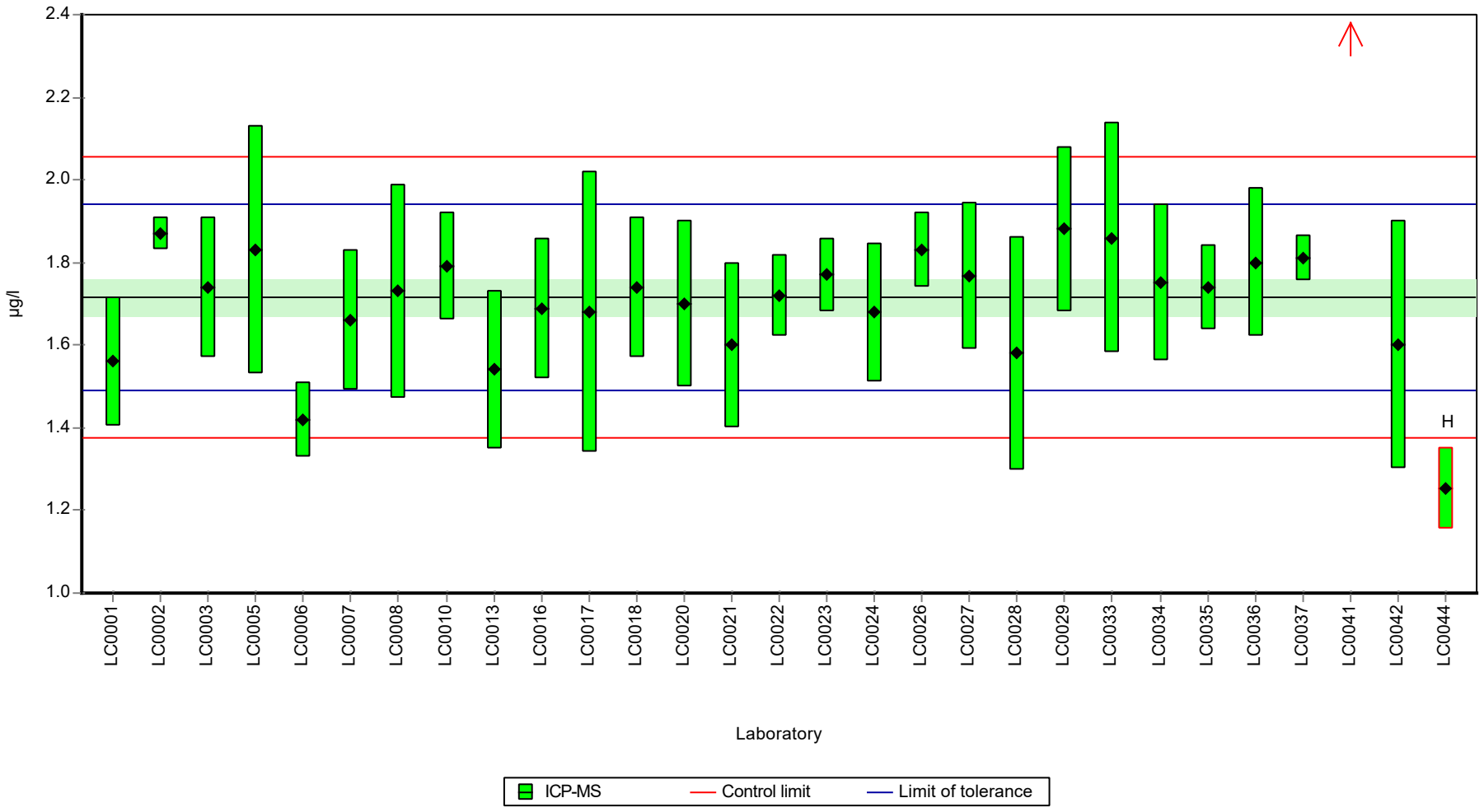
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	1.6	0.3	93.2	-1.03	
LC0043	-	-	-	-	
LC0044	1.252	0.0997	73	-4.1	H

Characteristics of parameter

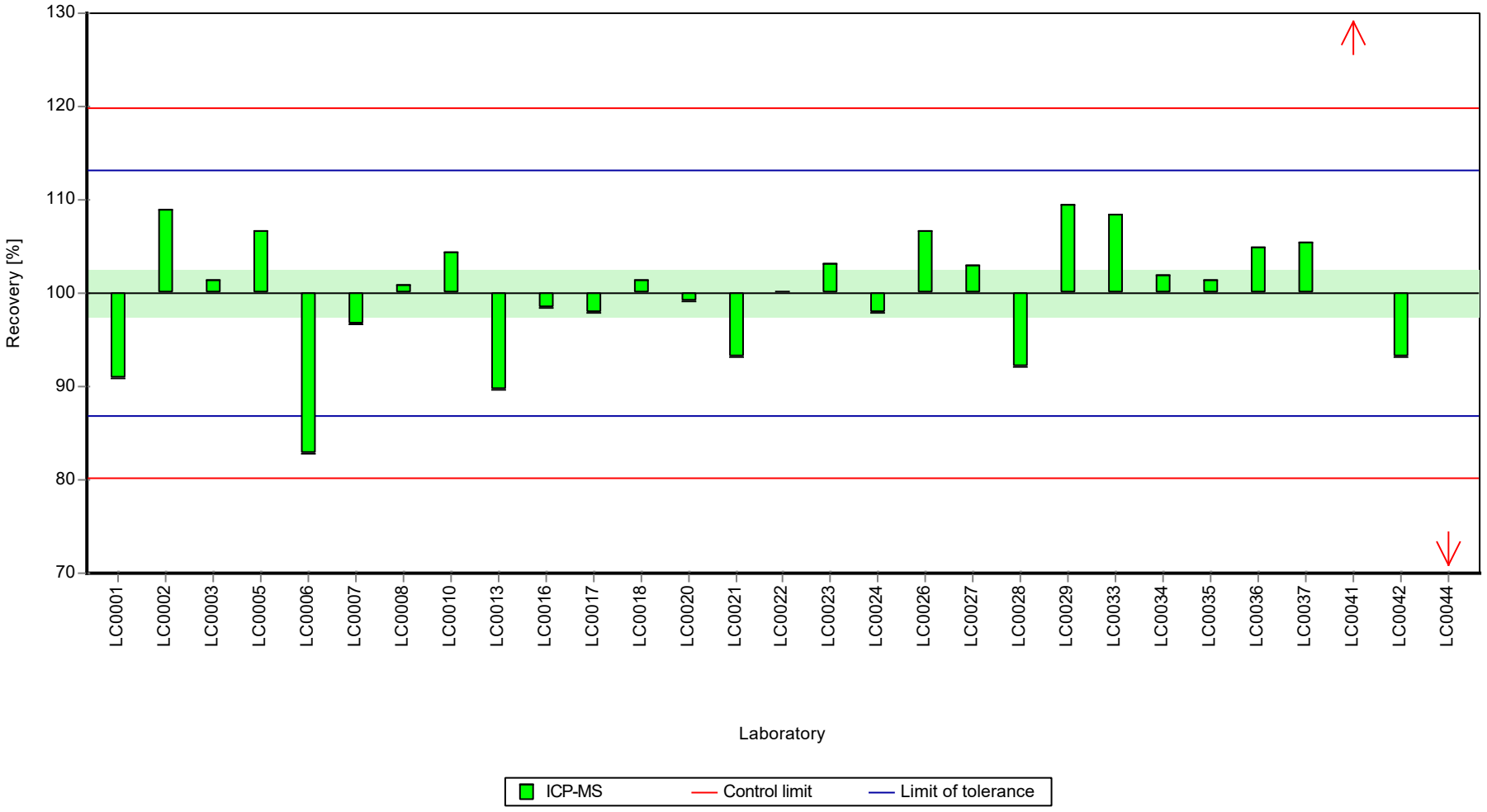
	all results	without outliers	Unit
Mean ± CI (99%)	1.74 ± 0.149	1.72 ± 0.0643	µg/l
Minimum	1.25	1.42	µg/l
Maximum	2.93	1.88	µg/l
Standard deviation	0.267	0.111	µg/l
rel. standard deviation	15.3	6.49	%
n	29	27	-

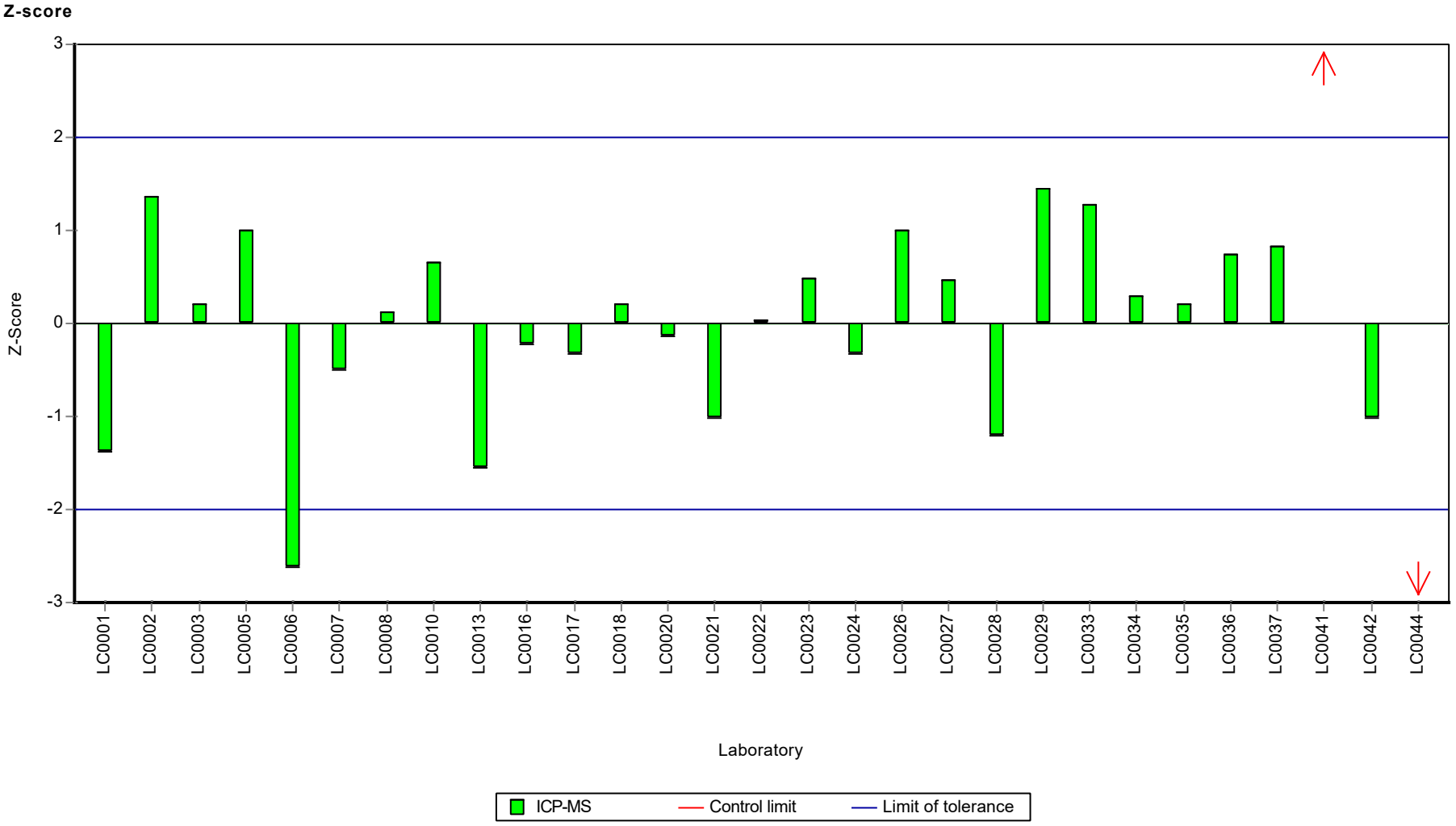
Graphical presentation of results

Results



Recovery rate

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-1
-2
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Z-Score
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LC0005
LC0006
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LC0033
LC0034
LC0035
LC0036
LC0037
LC0041
LC0042
LC0044
Laboratory
ICP-MS
Control limit
Limit of tolerance

Parameter oriented report

M160 A

Zinc

Unit	µg/l
Assigned value ± U (k=2)	88.5 ± 1.55
Criterion	7.97 (9 %)
Minimum - Maximum	78.9 - 99.3
Control test value ± U (k=2)	91.90 ± 10.1

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	87.2	8.72	98.5	-0.17	
LC0002	90.07	1.5	102	0.19	
LC0003	82.2	8.2	92.8	-0.8	
LC0004	86.5	11.2	97.7	-0.26	
LC0005	81	10	91.5	-0.95	
LC0006	93.1	4.1	105	0.57	
LC0007	71.1	7.1	80.3	-2.19	H
LC0008	84.51	10.79	95.5	-0.51	
LC0009	53.45	3.5	60.4	-4.4	H
LC0010	88.5	6.2	100	0.00	
LC0011	83	10	93.7	-0.69	
LC0012	99.32	10.66	112	1.35	
LC0013	87.9	14	99.3	-0.08	
LC0014	-	-	-	-	
LC0015	97.5	3.2	110	1.13	
LC0016	81.1	8.1	91.6	-0.93	
LC0017	92	18.4	104	0.43	
LC0018	86.4	8.6	97.6	-0.27	
LC0019	79.6	8	89.9	-1.12	
LC0020	88.1	10.5	99.5	-0.05	
LC0021	89.7	14	101	0.15	
LC0022	86.9	2.93	98.2	-0.2	
LC0023	93	9.3	105	0.56	
LC0024	89	8	101	0.06	
LC0025	-	-	-	-	
LC0026	89.3	1.69	101	0.1	
LC0027	88.88	14.61	100	0.04	
LC0028	78.9	4.73	89.1	-1.21	
LC0029	91.9	4.6	104	0.42	
LC0030	94.2	14.13	106	0.71	
LC0031	87.04	8.704	98.3	-0.19	
LC0032	91.51	6.41	103	0.37	
LC0033	71.7	10.8	81	-2.11	H
LC0034	86.13	5.4	97.3	-0.3	
LC0035	86.896	6.95	98.1	-0.21	
LC0036	92	9.2	104	0.43	
LC0037	91.7	0.5	104	0.4	
LC0038	90.7	0.3	102	0.27	
LC0039	95.91	11.13	108	0.93	
LC0040	-	-	-	-	
LC0041	89.6	6.25	101	0.13	

Parameter oriented report Metals and trace elements
M160

Sample: M160A, Parameter: Zinc

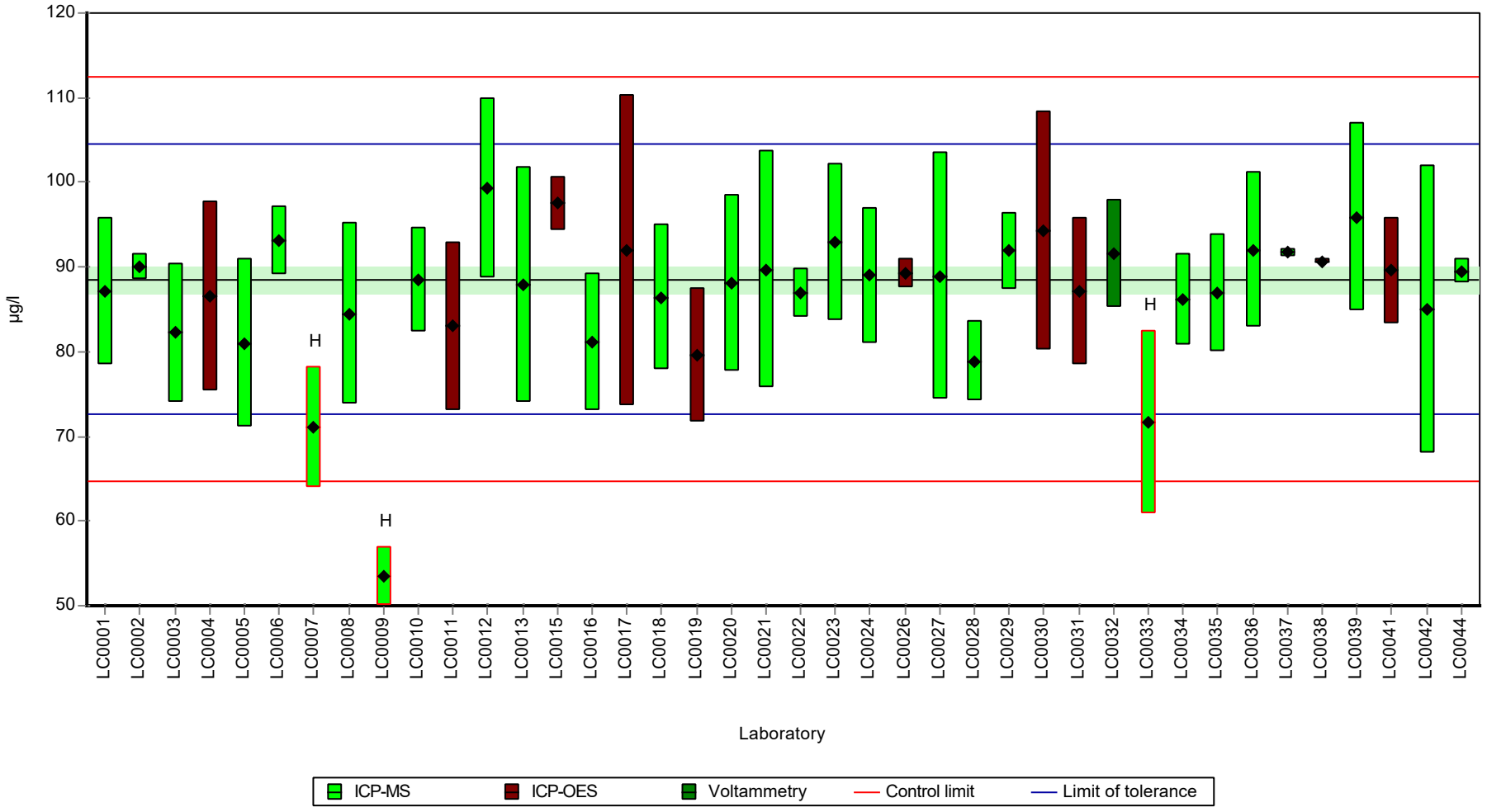
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	85	17	96	-0.44	
LC0043	-	-	-	-	
LC0044	89.516	1.3897	101	0.12	

Characteristics of parameter

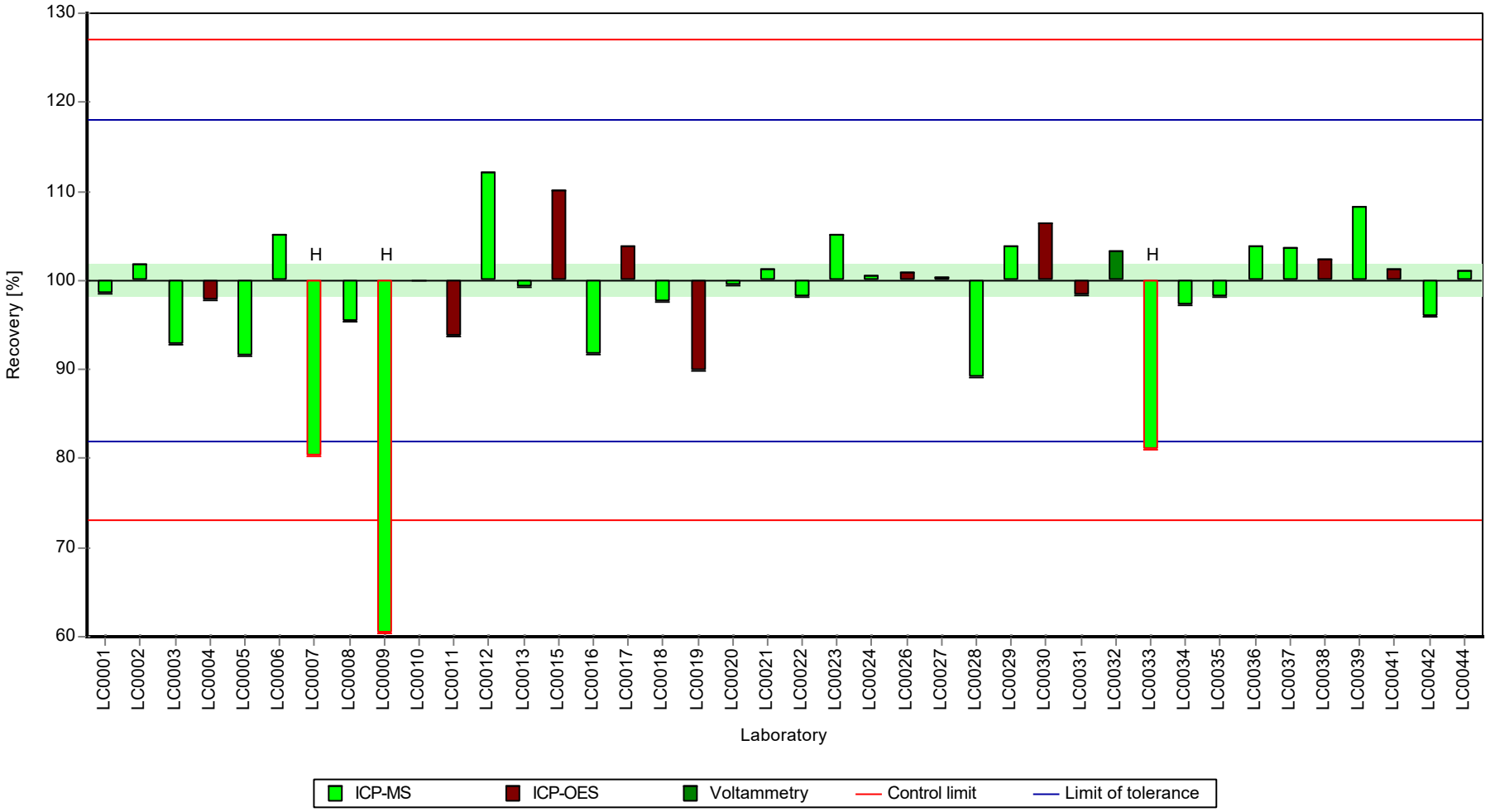
	all results	without outliers	Unit
Mean ± CI (99%)	86.8 ± 3.79	88.5 ± 2.32	µg/l
Minimum	53.5	78.9	µg/l
Maximum	99.3	99.3	µg/l
Standard deviation	8	4.71	µg/l
rel. standard deviation	9.22	5.32	%
n	40	37	-

Graphical presentation of results

Results

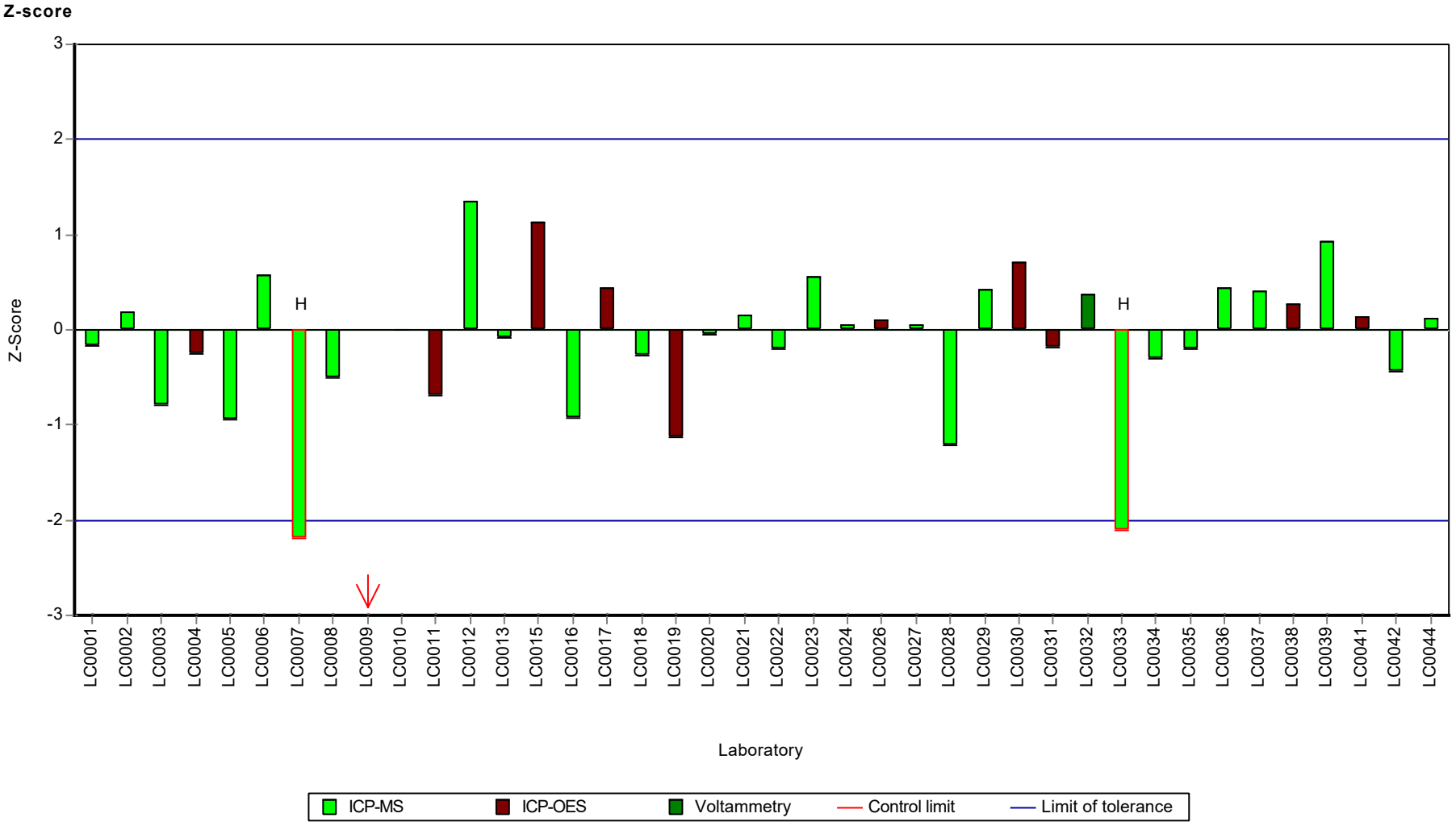


Recovery rate



Parameter oriented report Metals and trace elements M160

Sample: M160A, Parameter: Zinc



Parameter oriented report

M160 B

Zinc

Unit	µg/l
Assigned value ± U (k=2)	138 ± 1.77
Criterion	12.4 (9 %)
Minimum - Maximum	124 - 148
Control test value ± U (k=2)	139.0 ± 15.3

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	124	18.6	90.1	-1.1	
LC0002	137.17	1.89	99.6	-0.04	
LC0003	136	13.6	98.8	-0.14	
LC0004	140	17	102	0.19	
LC0005	129	16	93.7	-0.7	
LC0006	140	6	102	0.19	
LC0007	114	11	82.8	-1.91	H
LC0008	133.52	17.05	97	-0.34	
LC0009	101.12	5.5	73.4	-2.95	H
LC0010	139	10	101	0.11	
LC0011	137.5	10	99.9	-0.02	
LC0012	157.83	16.94	115	1.63	H
LC0013	135	21	98	-0.22	
LC0014	-	-	-	-	
LC0015	144	1	105	0.51	
LC0016	133	13	96.6	-0.38	
LC0017	140	28	102	0.19	
LC0018	137.5	14	99.9	-0.02	
LC0019	128	13	93	-0.78	
LC0020	139	18	101	0.11	
LC0021	140	23	102	0.19	
LC0022	135	4.78	98	-0.22	
LC0023	141	14.1	102	0.27	
LC0024	141	12.7	102	0.27	
LC0025	-	-	-	-	
LC0026	142	1.56	103	0.35	
LC0027	138.5	22.77	101	0.07	
LC0028	133	31.9	96.6	-0.38	
LC0029	145	7	105	0.59	
LC0030	148	22.2	107	0.83	
LC0031	139.7	13.97	101	0.16	
LC0032	137.2	9.6	99.6	-0.04	
LC0033	120.8	18.1	87.7	-1.36	H
LC0034	132.3	8.3	96.1	-0.43	
LC0035	136.7	8.2	99.3	-0.08	
LC0036	142	14.2	103	0.35	
LC0037	141	0.58	102	0.27	
LC0038	138	0.3	100	0.02	
LC0039	160	18.56	116	1.8	H
LC0040	-	-	-	-	
LC0041	138.3	9.65	100	0.05	

Parameter oriented report Metals and trace elements
M160

Sample: M160B, Parameter: Zinc

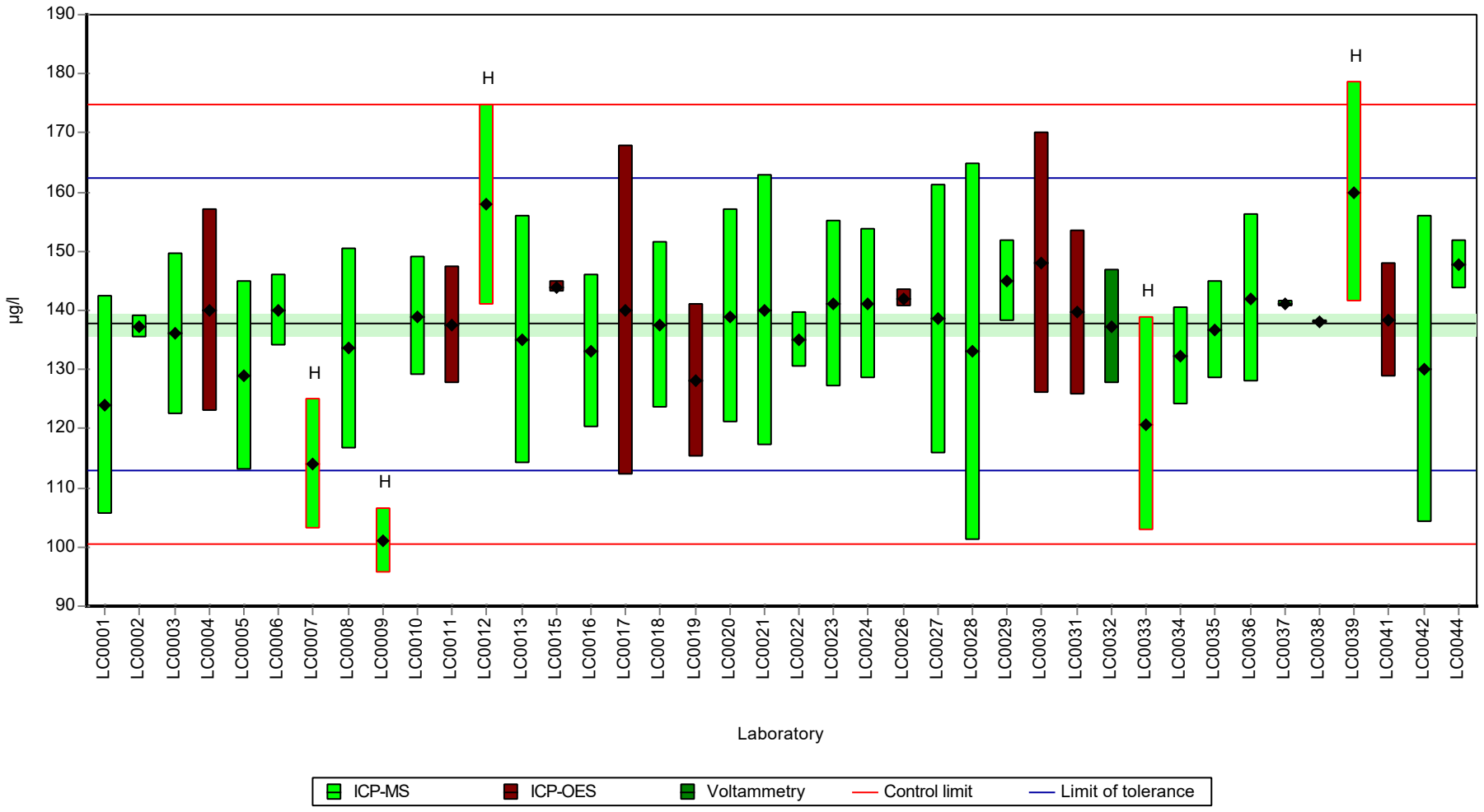
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	130	26	94.4	-0.62	
LC0043	-	-	-	-	
LC0044	147.83	4.1322	107	0.82	

Characteristics of parameter

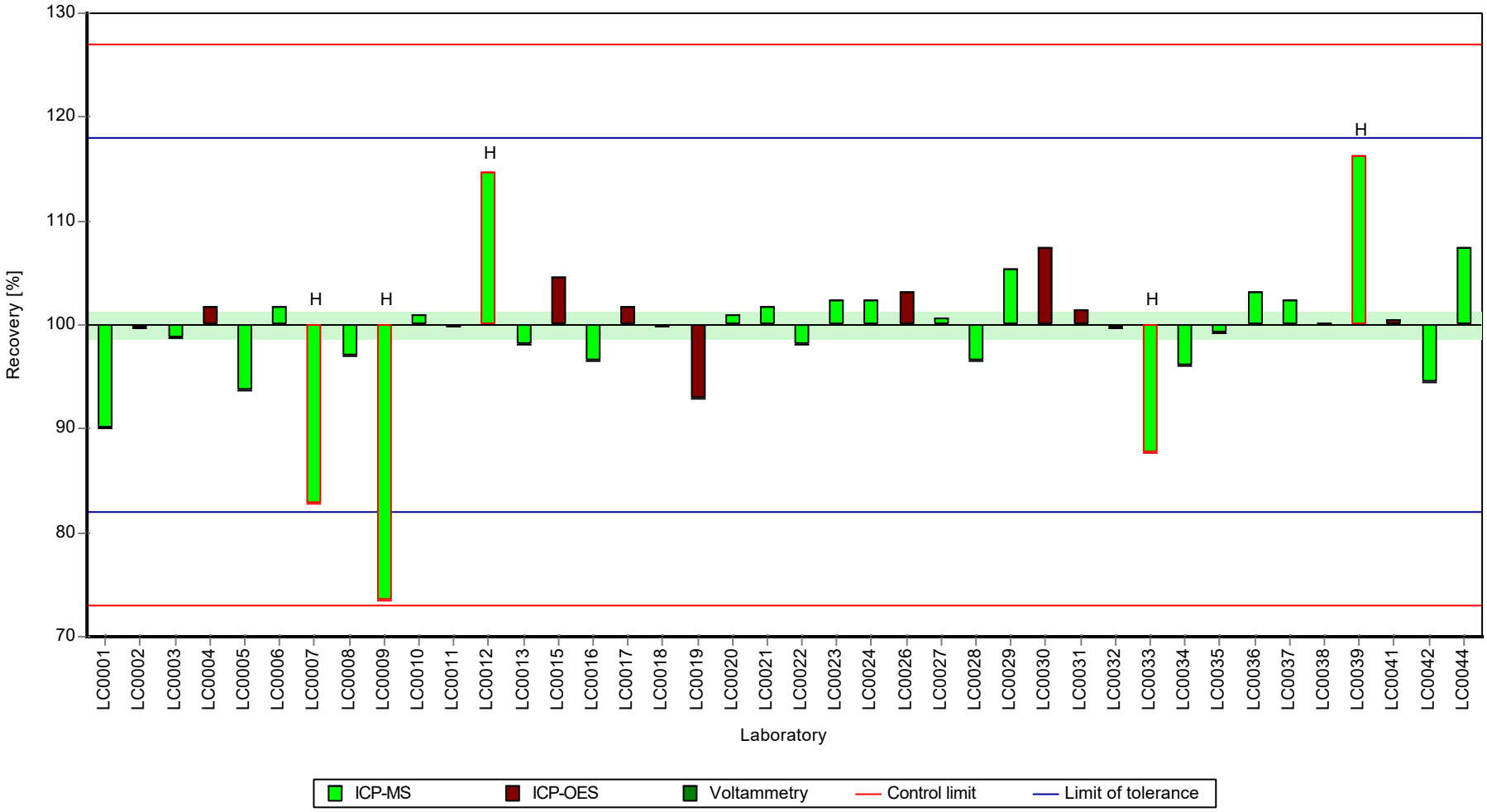
	all results	without outliers	Unit
Mean ± CI (99%)	137 ± 4.79	138 ± 2.65	µg/l
Minimum	101	124	µg/l
Maximum	160	148	µg/l
Standard deviation	10.1	5.22	µg/l
rel. standard deviation	7.39	3.79	%
n	40	35	-

Graphical presentation of results

Results

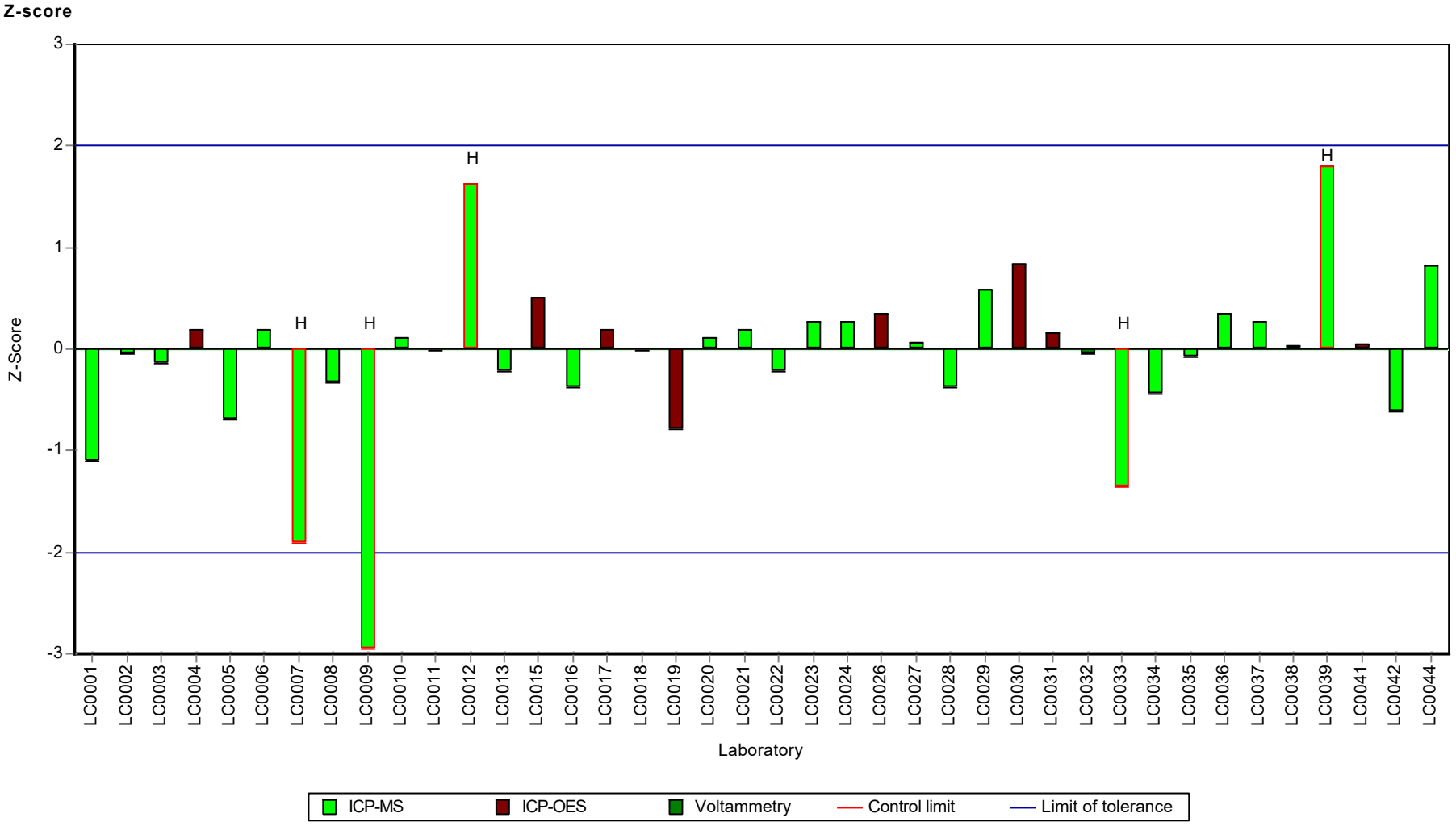


Recovery rate



Parameter oriented report Metals and trace elements M160

Sample: M160B, Parameter: Zinc



E8. Laborientierte Auswertung / Laboratory oriented report

Die Laborientierte Auswertung ist nach dem Laborcode sortiert.

The laboratory oriented report is sorted by laboratory code.

Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	36.3 ± 1.04	36 ± 7.19	5.45	99.1	-0.06
Arsenic	µg/l	2.34 ± 0.0752	2.41 ± 0.241	0.304	103	0.24
Cadmium	µg/l	0.517 ± 0.0112	0.499 ± 0.0749	0.0517	96.5	-0.35
Chromium	µg/l	3.8 ± 0.0928	4.24 ± 0.635	0.323	111	1.35
Copper	µg/l	9.22 ± 0.241	9.65 ± 1.45	0.829	105	0.52
Iron	µg/l	54 ± 1.38	63 ± 6.3	5.94	117	1.51
Lead	µg/l	2.21 ± 0.0437	2.1 ± 0.316	0.332	95	-0.34
Manganese	µg/l	30.1 ± 0.599	31.8 ± 3.18	2.17	106	0.77
Nickel	µg/l	5.18 ± 0.152	5.56 ± 0.834	0.622	107	0.60
Selenium	µg/l	2.19 ± 0.0565	2.26 ± 0.226	0.262	103	0.28
Uranium	µg/l	3.49 ± 0.113	3.2 ± 0.32	0.231	91.6	-1.27
Zinc	µg/l	88.5 ± 1.55	87.2 ± 8.72	7.97	98.5	-0.17

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	0.944 ± 0.0244	0.763 ± 0.191	0.132	80.8	-1.37

Sample: M160B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	105 ± 2.25	99.3 ± 14.9	15.8	94.4	-0.37
Arsenic	µg/l	5.66 ± 0.136	5.87 ± 0.587	0.736	104	0.29
Cadmium	µg/l	3.67 ± 0.0564	3.45 ± 0.345	0.367	93.9	-0.61
Chromium	µg/l	2.21 ± 0.0559	2.32 ± 0.232	0.188	105	0.60
Copper	µg/l	60.4 ± 0.94	64.2 ± 9.63	5.44	106	0.70
Iron	µg/l	113 ± 1.78	120 ± 12.05	12.4	106	0.57
Lead	µg/l	2.69 ± 0.0583	2.55 ± 0.382	0.403	94.9	-0.34
Manganese	µg/l	20.7 ± 0.331	21.9 ± 2.19	1.49	106	0.77
Nickel	µg/l	15.3 ± 0.317	16.1 ± 2.41	1.83	105	0.45
Selenium	µg/l	5.28 ± 0.126	5.51 ± 0.551	0.634	104	0.36

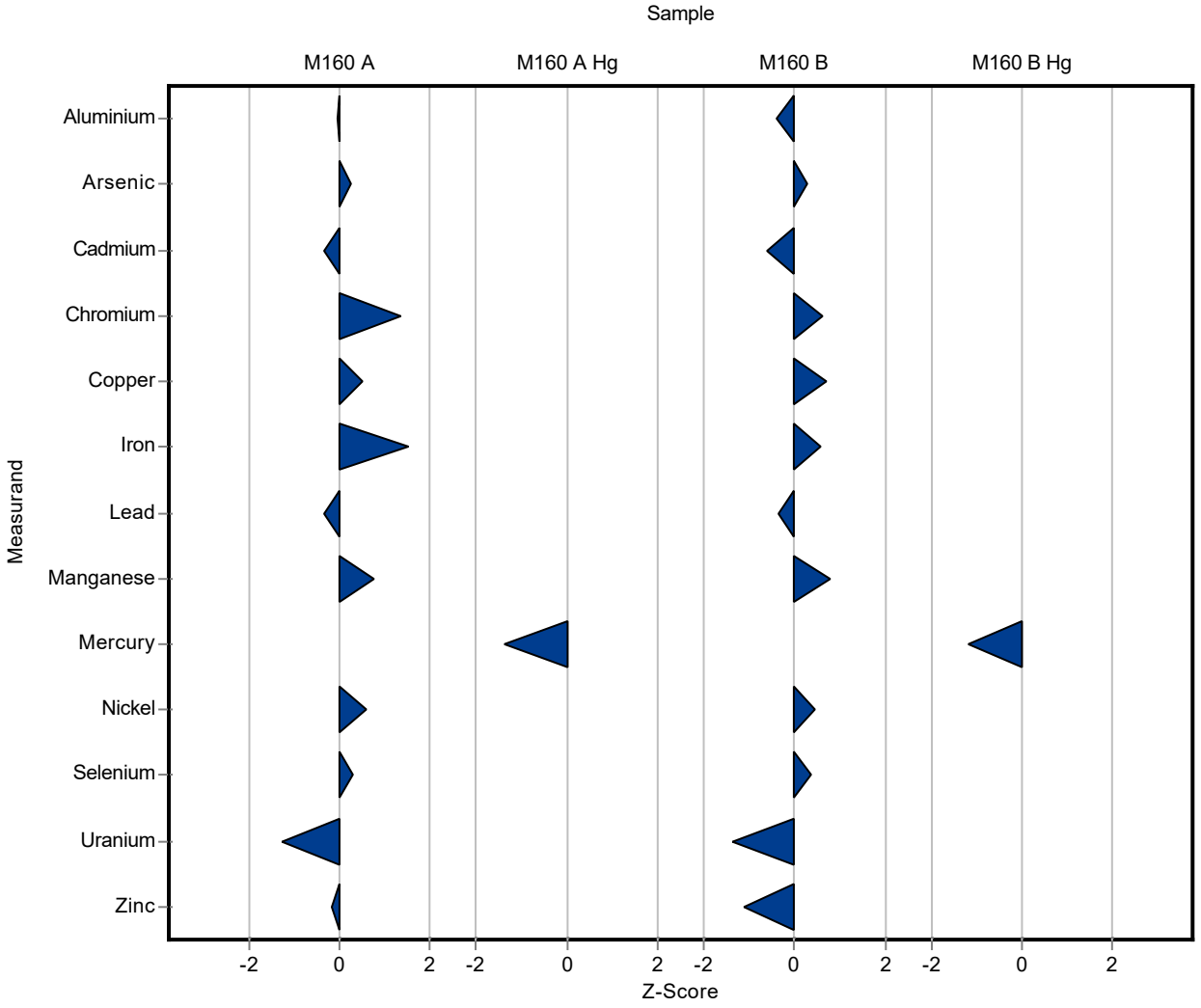
Summary of results Metals and trace elements M160

Labcode: LC0001

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Uranium	µg/l	1.72 ± 0.0429	1.56 ± 0.156	0.113	90.9	-1.38
Zinc	µg/l	138 ± 1.77	124 ± 18.6	12.4	90.1	-1.10

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	1.2 ± 0.0214	1.004 ± 0.251	0.168	83.7	-1.16



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	36.3 ± 1.04	36 ± 7.19	5.45	99.1	-0.02
Arsenic	µg/l	2.34 ± 0.0752	2.41 ± 0.241	0.304	103	0.15
Cadmium	µg/l	0.517 ± 0.0112	0.499 ± 0.0749	0.0517	96.5	-0.12
Chromium	µg/l	3.8 ± 0.0928	4.24 ± 0.635	0.323	111	0.34
Copper	µg/l	9.22 ± 0.241	9.65 ± 1.45	0.829	105	0.15
Iron	µg/l	54 ± 1.38	63 ± 6.3	5.94	117	0.71
Lead	µg/l	2.21 ± 0.0437	2.1 ± 0.316	0.332	95	-0.18
Manganese	µg/l	30.1 ± 0.599	31.8 ± 3.18	2.17	106	0.26
Nickel	µg/l	5.18 ± 0.152	5.56 ± 0.834	0.622	107	0.23
Selenium	µg/l	2.19 ± 0.0565	2.26 ± 0.226	0.262	103	0.16
Uranium	µg/l	3.49 ± 0.113	3.2 ± 0.32	0.231	91.6	-0.45
Zinc	µg/l	88.5 ± 1.55	87.2 ± 8.72	7.97	98.5	-0.08

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	0.944 ± 0.0244	0.763 ± 0.191	0.132	80.8	-0.47

Sample: M160B

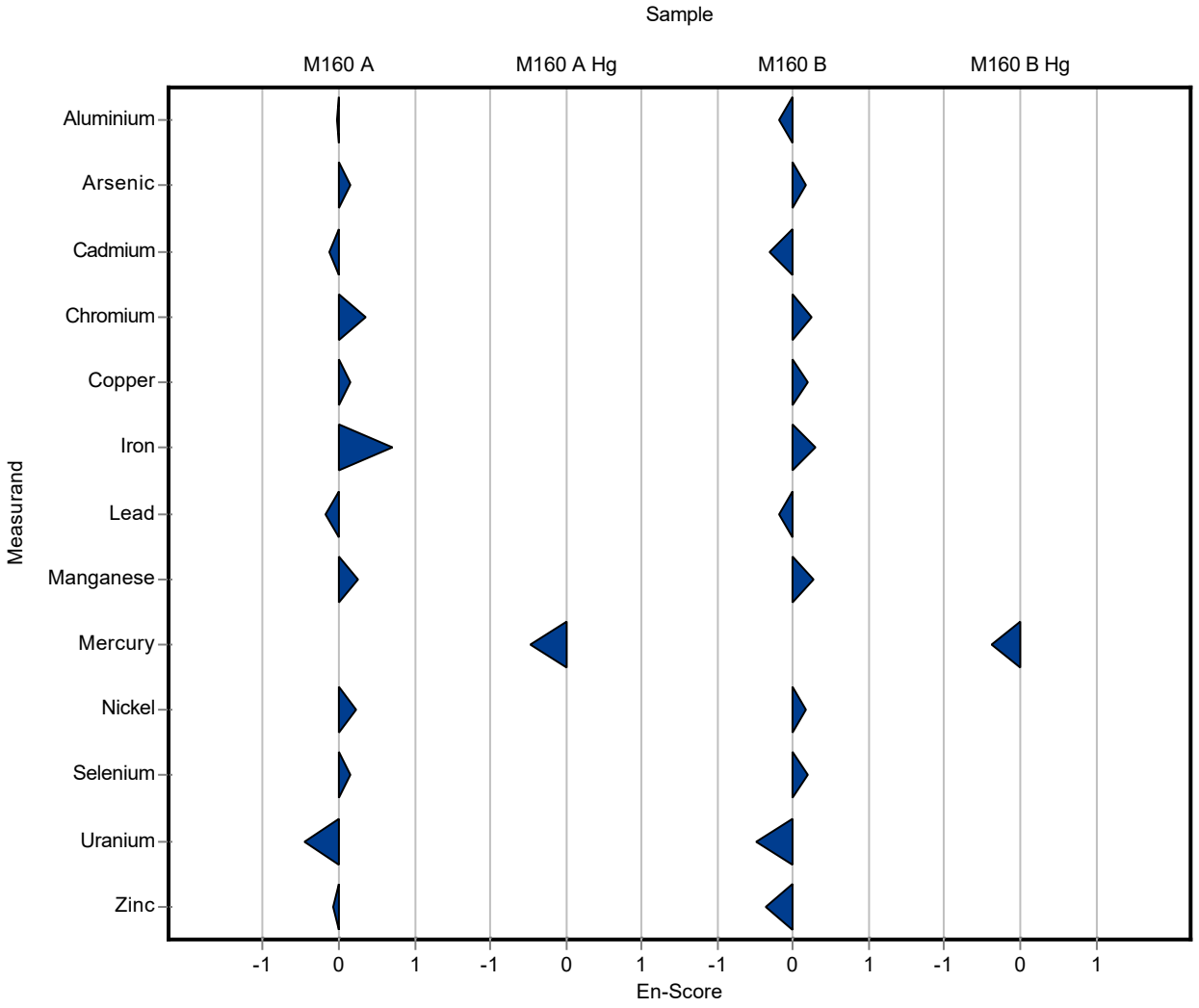
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	105 ± 2.25	99.3 ± 14.9	15.8	94.4	-0.20
Arsenic	µg/l	5.66 ± 0.136	5.87 ± 0.587	0.736	104	0.18
Cadmium	µg/l	3.67 ± 0.0564	3.45 ± 0.345	0.367	93.9	-0.32
Chromium	µg/l	2.21 ± 0.0559	2.32 ± 0.232	0.188	105	0.24
Copper	µg/l	60.4 ± 0.94	64.2 ± 9.63	5.44	106	0.20
Iron	µg/l	113 ± 1.78	120 ± 12.05	12.4	106	0.29
Lead	µg/l	2.69 ± 0.0583	2.55 ± 0.382	0.403	94.9	-0.18
Manganese	µg/l	20.7 ± 0.331	21.9 ± 2.19	1.49	106	0.26
Nickel	µg/l	15.3 ± 0.317	16.1 ± 2.41	1.83	105	0.17

Summary of results Metals and trace elements M160 - En-Score Labcode: LC0001

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Selenium	µg/l	5.28 ± 0.126	5.51 ± 0.551	0.634	104	0.21
Uranium	µg/l	1.72 ± 0.0429	1.56 ± 0.156	0.113	90.9	-0.50
Zinc	µg/l	138 ± 1.77	124 ± 18.6	12.4	90.1	-0.37

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	1.2 ± 0.0214	1.004 ± 0.251	0.168	83.7	-0.39



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	36.3 ± 1.04	36.74 ± 3.05	5.45	101	0.08
Arsenic	µg/l	2.34 ± 0.0752	2.03 ± 0.04	0.304	86.8	-1.01
Cadmium	µg/l	0.517 ± 0.0112	0.54 ± 0.03	0.0517	104	0.45
Chromium	µg/l	3.8 ± 0.0928	3.38 ± 0.91	0.323	88.9	-1.31
Copper	µg/l	9.22 ± 0.241	8.04 ± 0.27	0.829	87.2	-1.42
Iron	µg/l	54 ± 1.38	50.64 ± 2.14	5.94	93.7	-0.57
Lead	µg/l	2.21 ± 0.0437	2.12 ± 0.04	0.332	95.9	-0.28
Manganese	µg/l	30.1 ± 0.599	29.44 ± 0.77	2.17	97.7	-0.32
Nickel	µg/l	5.18 ± 0.152	4.45 ± 0.12	0.622	85.8	-1.18
Selenium	µg/l	2.19 ± 0.0565	1.88 ± 0.35	0.262	86	-1.16
Uranium	µg/l	3.49 ± 0.113	3.39 ± 0.1	0.231	97.1	-0.45
Zinc	µg/l	88.5 ± 1.55	90.07 ± 1.5	7.97	102	0.19

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	0.944 ± 0.0244	0.94 ± 0.02	0.132	99.6	-0.03

Sample: M160B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	105 ± 2.25	105.27 ± 5.09	15.8	100	0.01
Arsenic	µg/l	5.66 ± 0.136	5.23 ± 0.08	0.736	92.4	-0.58
Cadmium	µg/l	3.67 ± 0.0564	3.77 ± 0.08	0.367	103	0.26
Chromium	µg/l	2.21 ± 0.0559	1.98 ± 0.48	0.188	89.7	-1.21
Copper	µg/l	60.4 ± 0.94	55.72 ± 0.54	5.44	92.2	-0.86
Iron	µg/l	113 ± 1.78	108.53 ± 12.48	12.4	96.1	-0.35
Lead	µg/l	2.69 ± 0.0583	3.59 ± 0.02	0.403	134	2.24
Manganese	µg/l	20.7 ± 0.331	20.41 ± 0.32	1.49	98.4	-0.23
Nickel	µg/l	15.3 ± 0.317	14.12 ± 0.13	1.83	92.4	-0.63
Selenium	µg/l	5.28 ± 0.126	4.84 ± 0.71	0.634	91.6	-0.70

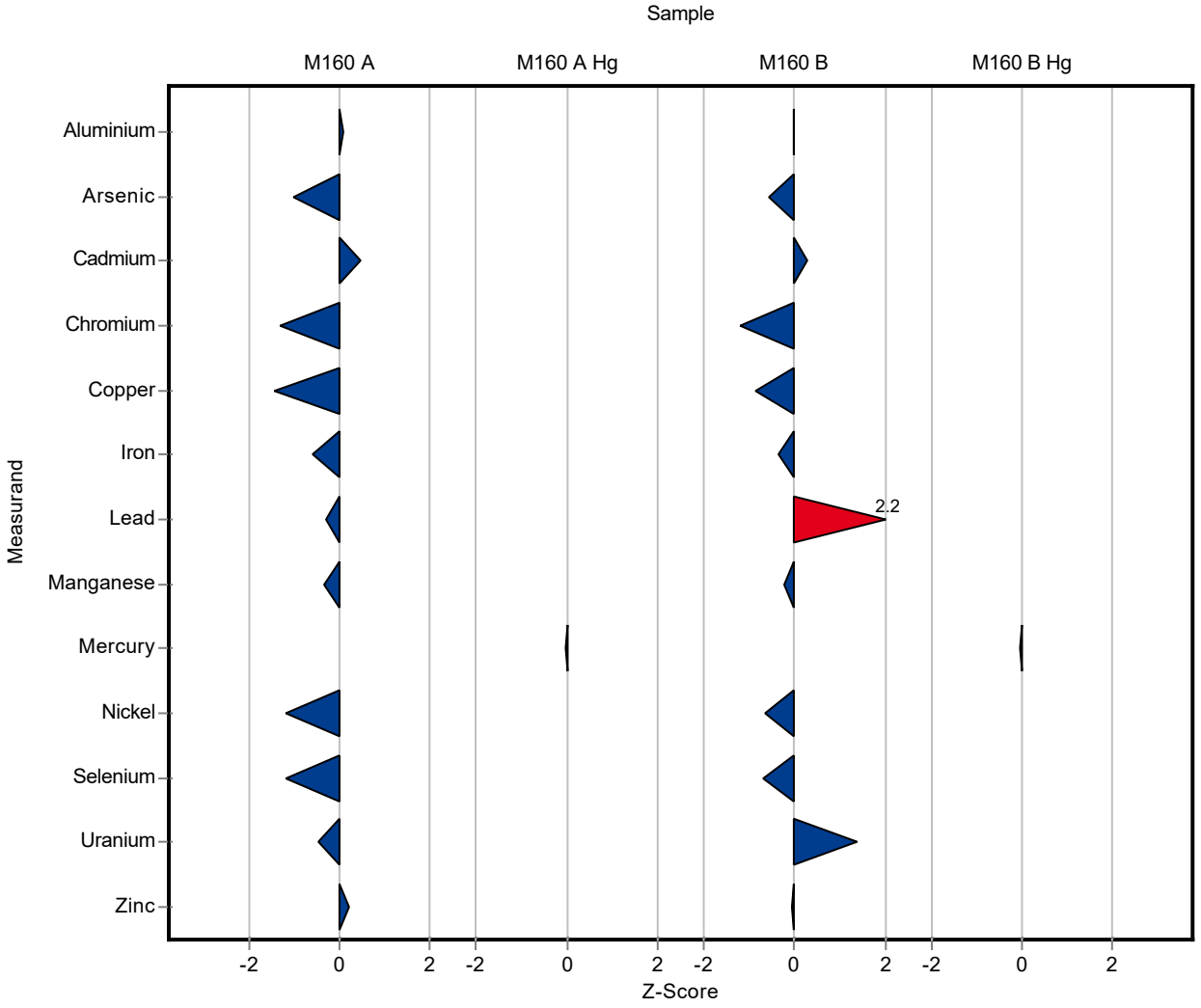
Summary of results Metals and trace elements M160

Labcode: LC0002

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Uranium	µg/l	1.72 ± 0.0429	1.87 ± 0.04	0.113	109	1.36
Zinc	µg/l	138 ± 1.77	137.17 ± 1.89	12.4	99.6	-0.04

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	1.2 ± 0.0214	1.19 ± 0.04	0.168	99.3	-0.05



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	36.3 ± 1.04	36.74 ± 3.05	5.45	101	0.07
Arsenic	µg/l	2.34 ± 0.0752	2.03 ± 0.04	0.304	86.8	-2.80
Cadmium	µg/l	0.517 ± 0.0112	0.54 ± 0.03	0.0517	104	0.38
Chromium	µg/l	3.8 ± 0.0928	3.38 ± 0.91	0.323	88.9	-0.23
Copper	µg/l	9.22 ± 0.241	8.04 ± 0.27	0.829	87.2	-1.99
Iron	µg/l	54 ± 1.38	50.64 ± 2.14	5.94	93.7	-0.75
Lead	µg/l	2.21 ± 0.0437	2.12 ± 0.04	0.332	95.9	-1.00
Manganese	µg/l	30.1 ± 0.599	29.44 ± 0.77	2.17	97.7	-0.42
Nickel	µg/l	5.18 ± 0.152	4.45 ± 0.12	0.622	85.8	-2.58
Selenium	µg/l	2.19 ± 0.0565	1.88 ± 0.35	0.262	86	-0.43
Uranium	µg/l	3.49 ± 0.113	3.39 ± 0.1	0.231	97.1	-0.45
Zinc	µg/l	88.5 ± 1.55	90.07 ± 1.5	7.97	102	0.46

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	0.944 ± 0.0244	0.94 ± 0.02	0.132	99.6	-0.08

Sample: M160B

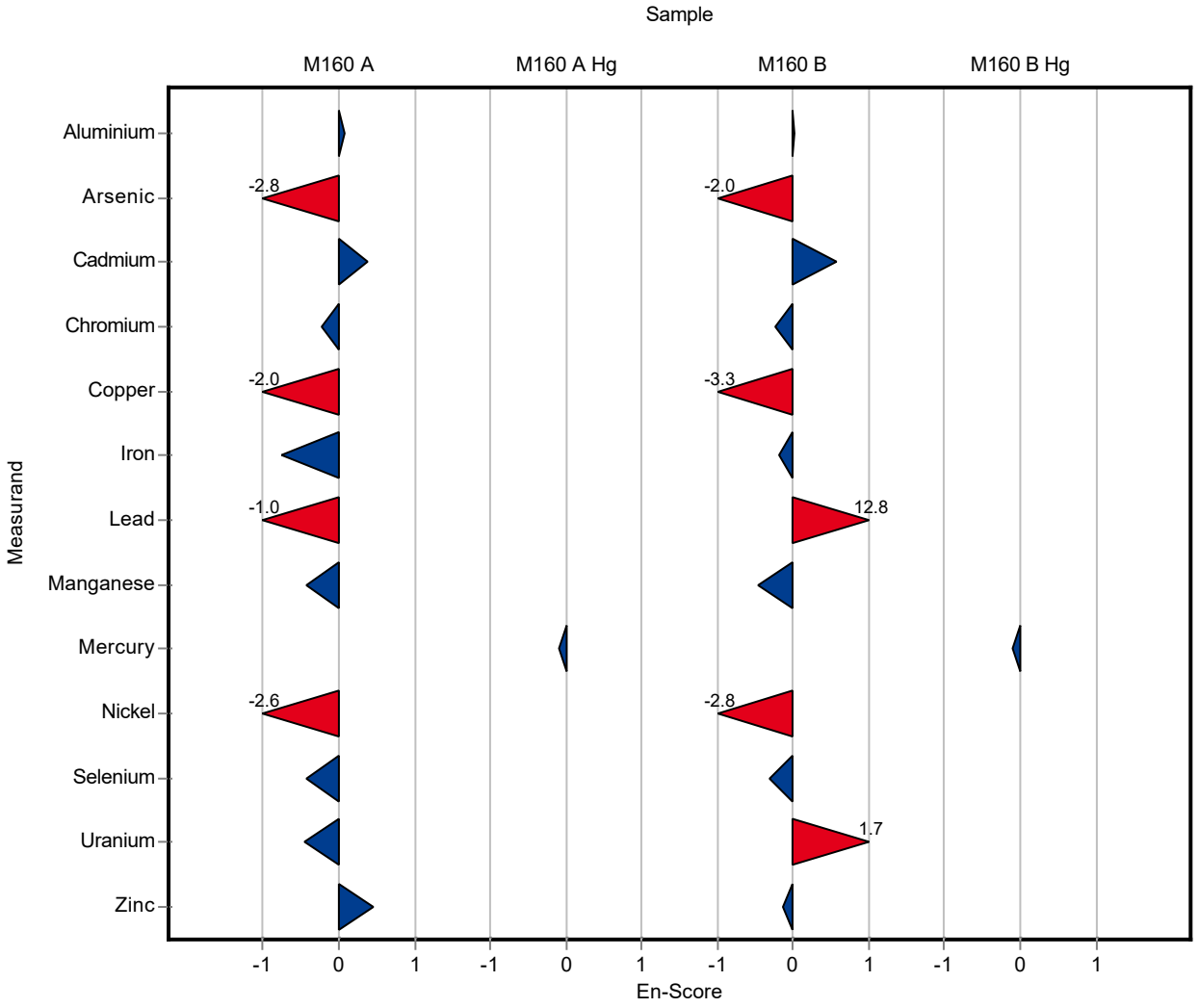
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	105 ± 2.25	105.27 ± 5.09	15.8	100	0.01
Arsenic	µg/l	5.66 ± 0.136	5.23 ± 0.08	0.736	92.4	-2.04
Cadmium	µg/l	3.67 ± 0.0564	3.77 ± 0.08	0.367	103	0.57
Chromium	µg/l	2.21 ± 0.0559	1.98 ± 0.48	0.188	89.7	-0.24
Copper	µg/l	60.4 ± 0.94	55.72 ± 0.54	5.44	92.2	-3.27
Iron	µg/l	113 ± 1.78	108.53 ± 12.48	12.4	96.1	-0.17
Lead	µg/l	2.69 ± 0.0583	3.59 ± 0.02	0.403	134	12.80
Manganese	µg/l	20.7 ± 0.331	20.41 ± 0.32	1.49	98.4	-0.47
Nickel	µg/l	15.3 ± 0.317	14.12 ± 0.13	1.83	92.4	-2.81

Summary of results Metals and trace elements M160 - En-Score Labcode: LC0002

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Selenium	µg/l	5.28 ± 0.126	4.84 ± 0.71	0.634	91.6	-0.31
Uranium	µg/l	1.72 ± 0.0429	1.87 ± 0.04	0.113	109	1.69
Zinc	µg/l	138 ± 1.77	137.17 ± 1.89	12.4	99.6	-0.13

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	1.2 ± 0.0214	1.19 ± 0.04	0.168	99.3	-0.11



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	36.3 ± 1.04	35.9 ± 3.6	5.45	98.9	-0.08
Arsenic	µg/l	2.34 ± 0.0752	2.36 ± 0.24	0.304	101	0.07
Cadmium	µg/l	0.517 ± 0.0112	0.53 ± 0.05	0.0517	103	0.25
Chromium	µg/l	3.8 ± 0.0928	3.76 ± 0.38	0.323	98.8	-0.14
Copper	µg/l	9.22 ± 0.241	8.36 ± 0.84	0.829	90.7	-1.03
Iron	µg/l	54 ± 1.38	51.4 ± 5.1	5.94	95.1	-0.44
Lead	µg/l	2.21 ± 0.0437	2.14 ± 0.21	0.332	96.8	-0.21
Manganese	µg/l	30.1 ± 0.599	30.3 ± 3	2.17	101	0.07
Nickel	µg/l	5.18 ± 0.152	4.81 ± 0.48	0.622	92.8	-0.60
Selenium	µg/l	2.19 ± 0.0565	2.21 ± 0.21	0.262	101	0.09
Uranium	µg/l	3.49 ± 0.113	3.43 ± 0.34	0.231	98.2	-0.27
Zinc	µg/l	88.5 ± 1.55	82.2 ± 8.2	7.97	92.8	-0.80

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	0.944 ± 0.0244	0.91 ± 0.09	0.132	96.4	-0.26

Sample: M160B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	105 ± 2.25	104 ± 10.4	15.8	98.9	-0.07
Arsenic	µg/l	5.66 ± 0.136	5.83 ± 0.58	0.736	103	0.23
Cadmium	µg/l	3.67 ± 0.0564	3.79 ± 0.38	0.367	103	0.32
Chromium	µg/l	2.21 ± 0.0559	2.15 ± 0.21	0.188	97.4	-0.31
Copper	µg/l	60.4 ± 0.94	56.2 ± 5.6	5.44	93	-0.77
Iron	µg/l	113 ± 1.78	110 ± 11	12.4	97.4	-0.23
Lead	µg/l	2.69 ± 0.0583	2.64 ± 0.26	0.403	98.3	-0.12
Manganese	µg/l	20.7 ± 0.331	20.6 ± 2.1	1.49	99.3	-0.10
Nickel	µg/l	15.3 ± 0.317	14.7 ± 1.5	1.83	96.2	-0.31
Selenium	µg/l	5.28 ± 0.126	6.05 ± 0.6	0.634	115	1.21

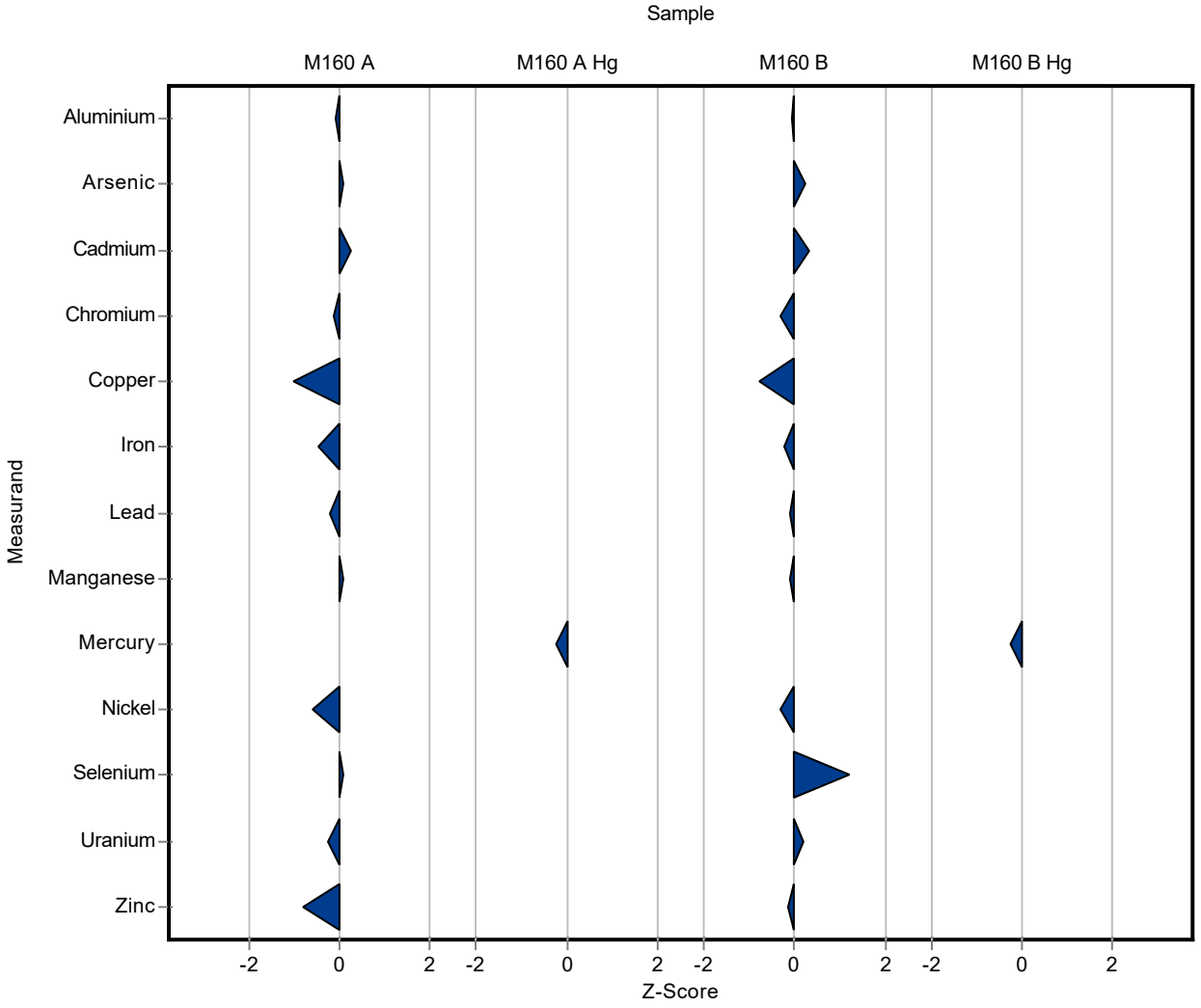
Summary of results Metals and trace elements M160

Labcode: LC0003

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Uranium	µg/l	1.72 ± 0.0429	1.74 ± 0.17	0.113	101	0.21
Zinc	µg/l	138 ± 1.77	136 ± 13.6	12.4	98.8	-0.14

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	1.2 ± 0.0214	1.16 ± 0.11	0.168	96.8	-0.23



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	36.3 ± 1.04	35.9 ± 3.6	5.45	98.9	-0.06
Arsenic	µg/l	2.34 ± 0.0752	2.36 ± 0.24	0.304	101	0.05
Cadmium	µg/l	0.517 ± 0.0112	0.53 ± 0.05	0.0517	103	0.13
Chromium	µg/l	3.8 ± 0.0928	3.76 ± 0.38	0.323	98.8	-0.06
Copper	µg/l	9.22 ± 0.241	8.36 ± 0.84	0.829	90.7	-0.50
Iron	µg/l	54 ± 1.38	51.4 ± 5.1	5.94	95.1	-0.26
Lead	µg/l	2.21 ± 0.0437	2.14 ± 0.21	0.332	96.8	-0.17
Manganese	µg/l	30.1 ± 0.599	30.3 ± 3	2.17	101	0.03
Nickel	µg/l	5.18 ± 0.152	4.81 ± 0.48	0.622	92.8	-0.39
Selenium	µg/l	2.19 ± 0.0565	2.21 ± 0.21	0.262	101	0.06
Uranium	µg/l	3.49 ± 0.113	3.43 ± 0.34	0.231	98.2	-0.09
Zinc	µg/l	88.5 ± 1.55	82.2 ± 8.2	7.97	92.8	-0.39

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	0.944 ± 0.0244	0.91 ± 0.09	0.132	96.4	-0.19

Sample: M160B

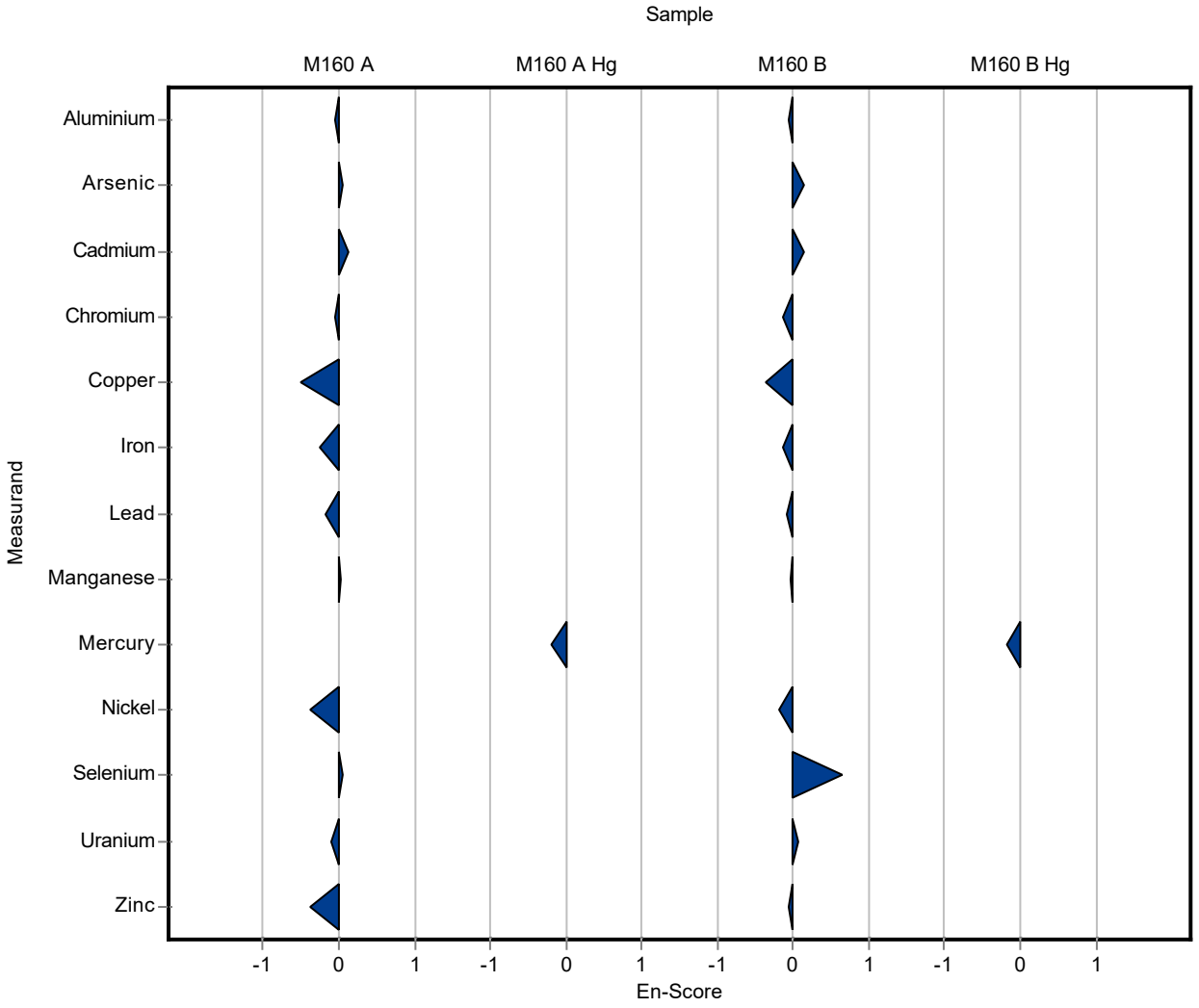
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	105 ± 2.25	104 ± 10.4	15.8	98.9	-0.06
Arsenic	µg/l	5.66 ± 0.136	5.83 ± 0.58	0.736	103	0.15
Cadmium	µg/l	3.67 ± 0.0564	3.79 ± 0.38	0.367	103	0.15
Chromium	µg/l	2.21 ± 0.0559	2.15 ± 0.21	0.188	97.4	-0.14
Copper	µg/l	60.4 ± 0.94	56.2 ± 5.6	5.44	93	-0.37
Iron	µg/l	113 ± 1.78	110 ± 11	12.4	97.4	-0.13
Lead	µg/l	2.69 ± 0.0583	2.64 ± 0.26	0.403	98.3	-0.09
Manganese	µg/l	20.7 ± 0.331	20.6 ± 2.1	1.49	99.3	-0.04
Nickel	µg/l	15.3 ± 0.317	14.7 ± 1.5	1.83	96.2	-0.19

Summary of results Metals and trace elements M160 - En-Score Labcode: LC0003

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Selenium	µg/l	5.28 ± 0.126	6.05 ± 0.6	0.634	115	0.64
Uranium	µg/l	1.72 ± 0.0429	1.74 ± 0.17	0.113	101	0.07
Zinc	µg/l	138 ± 1.77	136 ± 13.6	12.4	98.8	-0.06

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	1.2 ± 0.0214	1.16 ± 0.11	0.168	96.8	-0.18



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	36.3 ± 1.04	35.3 ± 5.7	5.45	97.2	-0.19
Arsenic	µg/l	2.34 ± 0.0752	2.19 ± 0.6	0.304	93.7	-0.49
Cadmium	µg/l	0.517 ± 0.0112	0.52 ± 0.17	0.0517	101	0.06
Chromium	µg/l	3.8 ± 0.0928	3.98 ± 0.95	0.323	105	0.55
Copper	µg/l	9.22 ± 0.241	- ± -	0.829	-	-
Iron	µg/l	54 ± 1.38	51.5 ± 7.4	5.94	95.3	-0.43
Lead	µg/l	2.21 ± 0.0437	2.21 ± 0.81	0.332	99.9	0.00
Manganese	µg/l	30.1 ± 0.599	30.2 ± 5.2	2.17	100	0.03
Nickel	µg/l	5.18 ± 0.152	5.11 ± 1.33	0.622	98.6	-0.12
Selenium	µg/l	2.19 ± 0.0565	2.16 ± 0.59	0.262	98.8	-0.10
Uranium	µg/l	3.49 ± 0.113	- ± -	0.231	-	-
Zinc	µg/l	88.5 ± 1.55	86.5 ± 11.2	7.97	97.7	-0.26

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	0.944 ± 0.0244	- ± -	0.132	-	-

Sample: M160B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	105 ± 2.25	100 ± 13	15.8	95.1	-0.33
Arsenic	µg/l	5.66 ± 0.136	5.43 ± 1.14	0.736	96	-0.31
Cadmium	µg/l	3.67 ± 0.0564	3.62 ± 0.65	0.367	98.6	-0.14
Chromium	µg/l	2.21 ± 0.0559	2.2 ± 0.75	0.188	99.7	-0.04
Copper	µg/l	60.4 ± 0.94	- ± -	5.44	-	-
Iron	µg/l	113 ± 1.78	110 ± 14	12.4	97.4	-0.23
Lead	µg/l	2.69 ± 0.0583	3.89 ± 1.11	0.403	145	2.99
Manganese	µg/l	20.7 ± 0.331	21.2 ± 1.6	1.49	102	0.30
Nickel	µg/l	15.3 ± 0.317	14.7 ± 3	1.83	96.2	-0.31
Selenium	µg/l	5.28 ± 0.126	5.34 ± 1.12	0.634	101	0.09

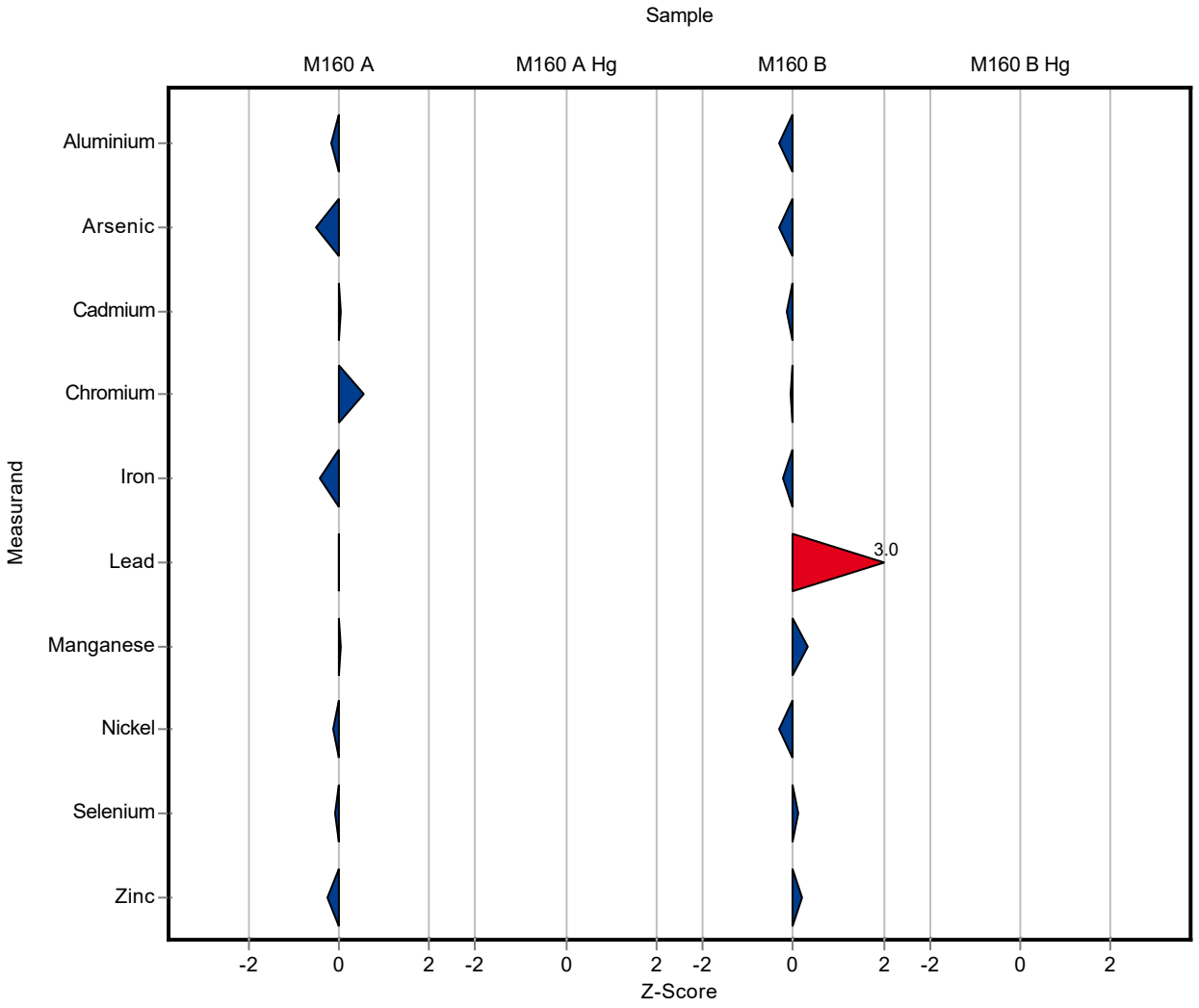
Summary of results Metals and trace elements M160

Labcode: LC0004

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Uranium	µg/l	1.72 ± 0.0429	- ± -	0.113	-	-
Zinc	µg/l	138 ± 1.77	140 ± 17	12.4	102	0.19

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	1.2 ± 0.0214	- ± -	0.168	-	-



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	36.3 ± 1.04	35.3 ± 5.7	5.45	97.2	-0.09
Arsenic	µg/l	2.34 ± 0.0752	2.19 ± 0.6	0.304	93.7	-0.12
Cadmium	µg/l	0.517 ± 0.0112	0.52 ± 0.17	0.0517	101	0.01
Chromium	µg/l	3.8 ± 0.0928	3.98 ± 0.95	0.323	105	0.09
Copper	µg/l	9.22 ± 0.241	- ± -	0.829	-	-
Iron	µg/l	54 ± 1.38	51.5 ± 7.4	5.94	95.3	-0.17
Lead	µg/l	2.21 ± 0.0437	2.21 ± 0.81	0.332	99.9	0.00
Manganese	µg/l	30.1 ± 0.599	30.2 ± 5.2	2.17	100	0.01
Nickel	µg/l	5.18 ± 0.152	5.11 ± 1.33	0.622	98.6	-0.03
Selenium	µg/l	2.19 ± 0.0565	2.16 ± 0.59	0.262	98.8	-0.02
Uranium	µg/l	3.49 ± 0.113	- ± -	0.231	-	-
Zinc	µg/l	88.5 ± 1.55	86.5 ± 11.2	7.97	97.7	-0.09

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	0.944 ± 0.0244	- ± -	0.132	-	-

Sample: M160B

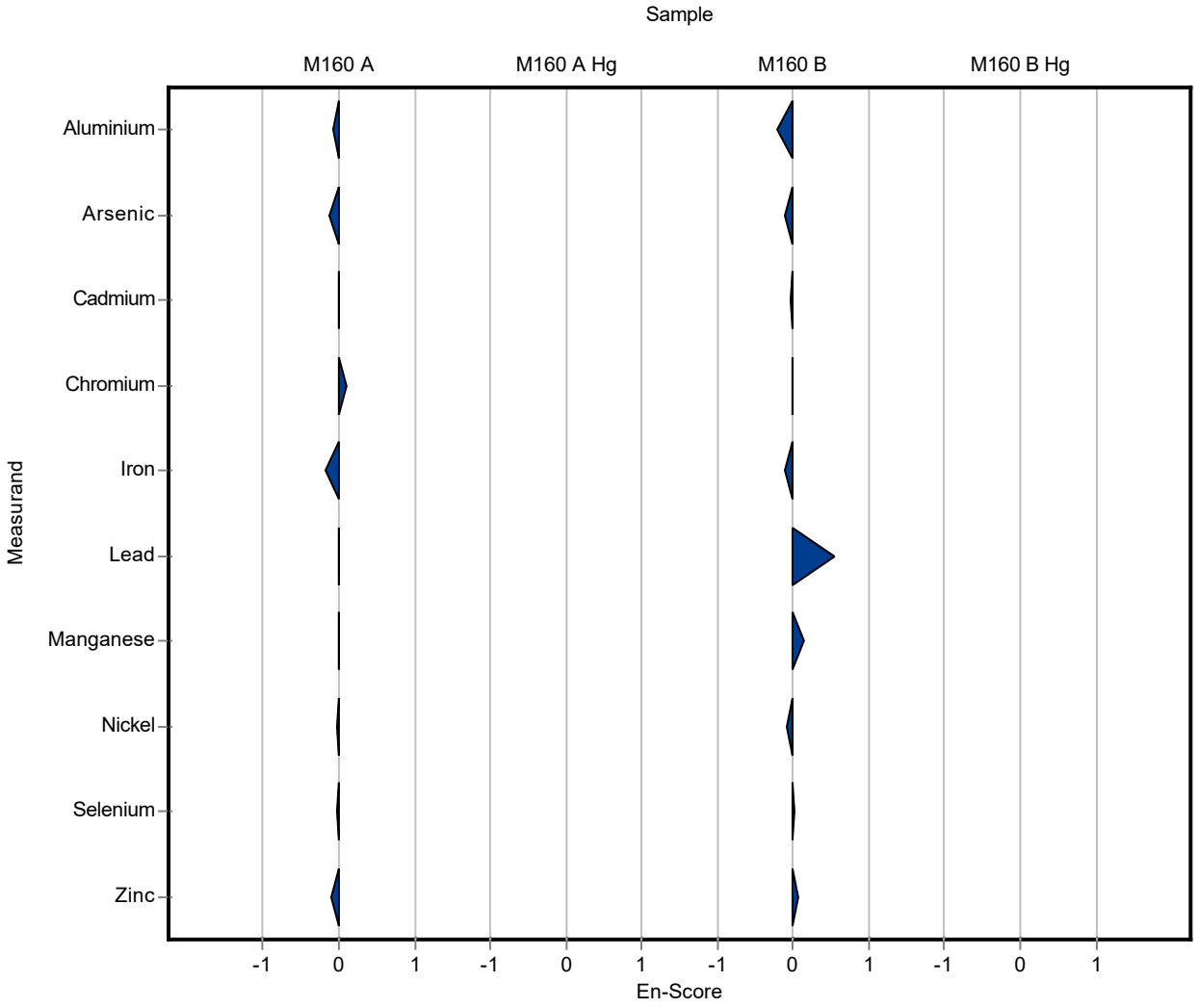
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	105 ± 2.25	100 ± 13	15.8	95.1	-0.20
Arsenic	µg/l	5.66 ± 0.136	5.43 ± 1.14	0.736	96	-0.10
Cadmium	µg/l	3.67 ± 0.0564	3.62 ± 0.65	0.367	98.6	-0.04
Chromium	µg/l	2.21 ± 0.0559	2.2 ± 0.75	0.188	99.7	-0.01
Copper	µg/l	60.4 ± 0.94	- ± -	5.44	-	-
Iron	µg/l	113 ± 1.78	110 ± 14	12.4	97.4	-0.10
Lead	µg/l	2.69 ± 0.0583	3.89 ± 1.11	0.403	145	0.54
Manganese	µg/l	20.7 ± 0.331	21.2 ± 1.6	1.49	102	0.14
Nickel	µg/l	15.3 ± 0.317	14.7 ± 3	1.83	96.2	-0.10

Summary of results Metals and trace elements M160 - En-Score Labcode: LC0004

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Selenium	µg/l	5.28 ± 0.126	5.34 ± 1.12	0.634	101	0.03
Uranium	µg/l	1.72 ± 0.0429	- ± -	0.113	-	-
Zinc	µg/l	138 ± 1.77	140 ± 17	12.4	102	0.07

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	1.2 ± 0.0214	- ± -	0.168	-	-



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	36.3 ± 1.04	42 ± 6	5.45	116	1.04
Arsenic	µg/l	2.34 ± 0.0752	2.6 ± 0.4	0.304	111	0.86
Cadmium	µg/l	0.517 ± 0.0112	0.54 ± 0.1	0.0517	104	0.45
Chromium	µg/l	3.8 ± 0.0928	4.5 ± 0.5	0.323	118	2.15
Copper	µg/l	9.22 ± 0.241	9.6 ± 1	0.829	104	0.46
Iron	µg/l	54 ± 1.38	66 ± 8	5.94	122	2.01
Lead	µg/l	2.21 ± 0.0437	2.25 ± 0.5	0.332	102	0.12
Manganese	µg/l	30.1 ± 0.599	33 ± 5	2.17	109	1.32
Nickel	µg/l	5.18 ± 0.152	5.7 ± 0.8	0.622	110	0.83
Selenium	µg/l	2.19 ± 0.0565	2.25 ± 0.6	0.262	103	0.25
Uranium	µg/l	3.49 ± 0.113	3.7 ± 0.2	0.231	106	0.90
Zinc	µg/l	88.5 ± 1.55	81 ± 10	7.97	91.5	-0.95

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	0.944 ± 0.0244	0.96 ± 0.15	0.132	102	0.12

Sample: M160B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	105 ± 2.25	112 ± 15	15.8	106	0.43
Arsenic	µg/l	5.66 ± 0.136	6.2 ± 0.5	0.736	110	0.74
Cadmium	µg/l	3.67 ± 0.0564	3.83 ± 0.3	0.367	104	0.43
Chromium	µg/l	2.21 ± 0.0559	2.45 ± 0.5	0.188	111	1.29
Copper	µg/l	60.4 ± 0.94	62 ± 8	5.44	103	0.29
Iron	µg/l	113 ± 1.78	125 ± 15	12.4	111	0.97
Lead	µg/l	2.69 ± 0.0583	2.85 ± 0.5	0.403	106	0.41
Manganese	µg/l	20.7 ± 0.331	23 ± 4	1.49	111	1.51
Nickel	µg/l	15.3 ± 0.317	16.5 ± 4	1.83	108	0.67
Selenium	µg/l	5.28 ± 0.126	5.1 ± 1	0.634	96.6	-0.29

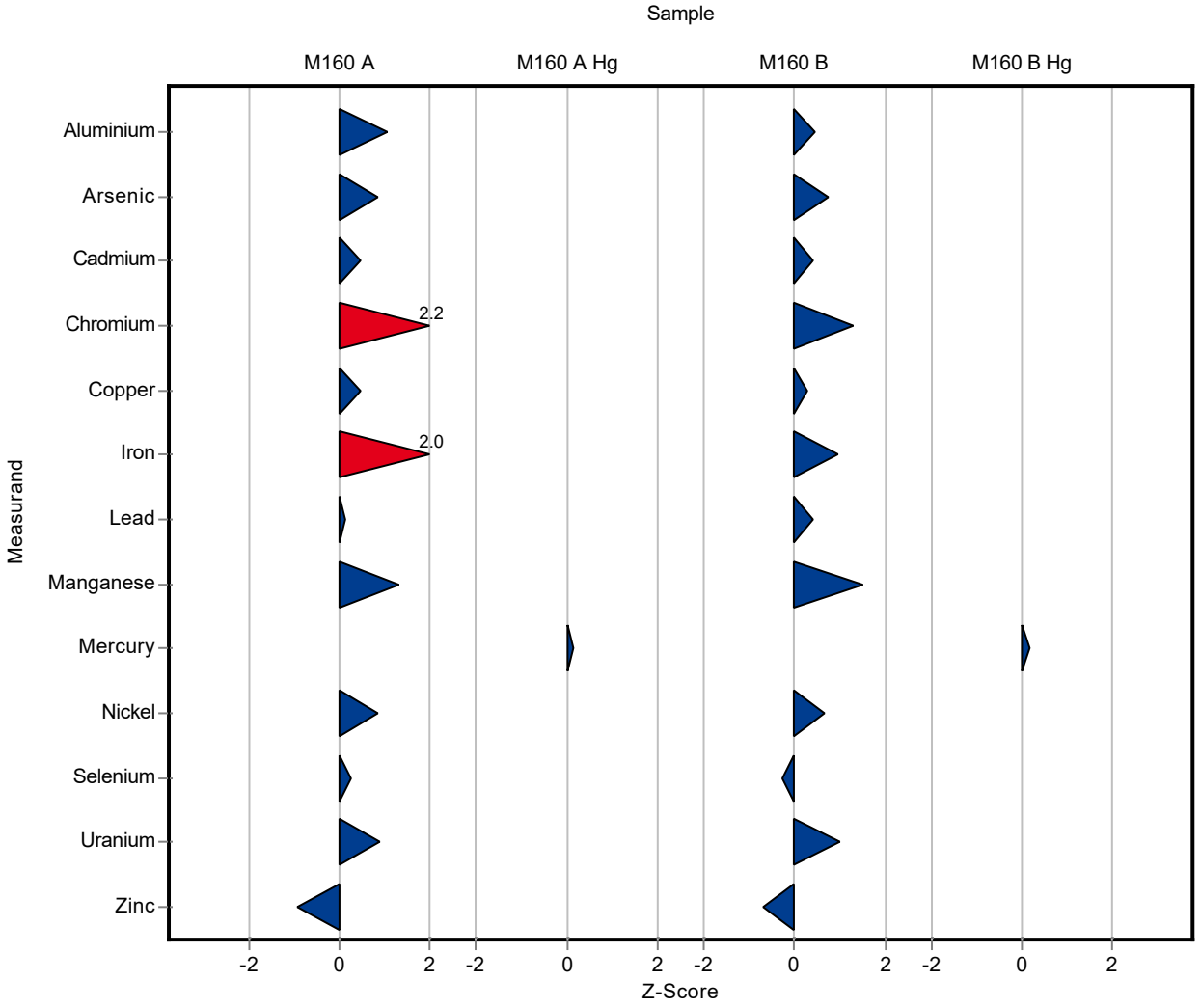
Summary of results Metals and trace elements M160

Labcode: LC0005

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Uranium	µg/l	1.72 ± 0.0429	1.83 ± 0.3	0.113	107	1.00
Zinc	µg/l	138 ± 1.77	129 ± 16	12.4	93.7	-0.70

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	1.2 ± 0.0214	1.23 ± 0.2	0.168	103	0.18



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	36.3 ± 1.04	42 ± 6	5.45	116	0.47
Arsenic	µg/l	2.34 ± 0.0752	2.6 ± 0.4	0.304	111	0.33
Cadmium	µg/l	0.517 ± 0.0112	0.54 ± 0.1	0.0517	104	0.12
Chromium	µg/l	3.8 ± 0.0928	4.5 ± 0.5	0.323	118	0.69
Copper	µg/l	9.22 ± 0.241	9.6 ± 1	0.829	104	0.19
Iron	µg/l	54 ± 1.38	66 ± 8	5.94	122	0.74
Lead	µg/l	2.21 ± 0.0437	2.25 ± 0.5	0.332	102	0.04
Manganese	µg/l	30.1 ± 0.599	33 ± 5	2.17	109	0.29
Nickel	µg/l	5.18 ± 0.152	5.7 ± 0.8	0.622	110	0.32
Selenium	µg/l	2.19 ± 0.0565	2.25 ± 0.6	0.262	103	0.05
Uranium	µg/l	3.49 ± 0.113	3.7 ± 0.2	0.231	106	0.50
Zinc	µg/l	88.5 ± 1.55	81 ± 10	7.97	91.5	-0.38

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	0.944 ± 0.0244	0.96 ± 0.15	0.132	102	0.05

Sample: M160B

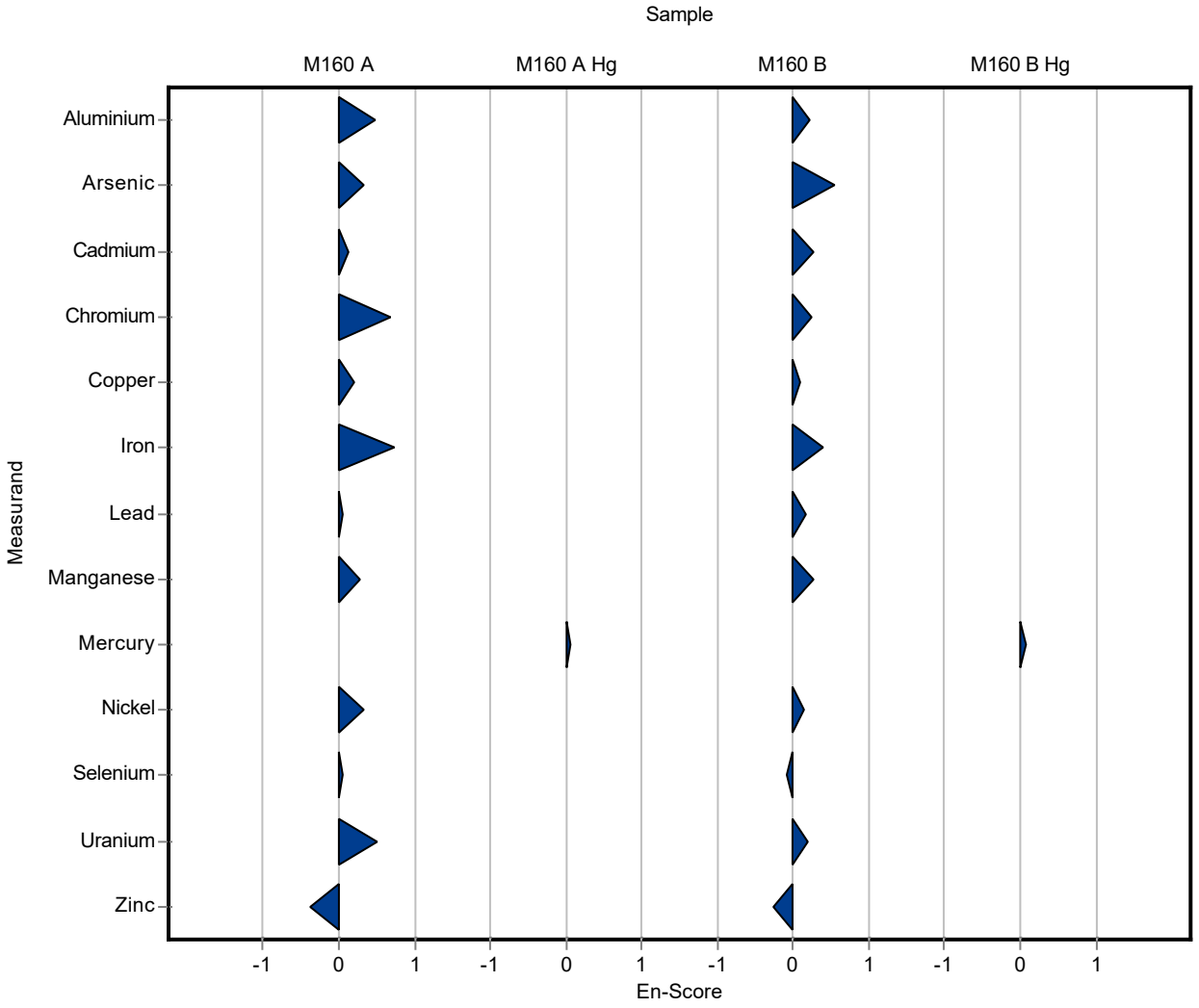
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	105 ± 2.25	112 ± 15	15.8	106	0.23
Arsenic	µg/l	5.66 ± 0.136	6.2 ± 0.5	0.736	110	0.54
Cadmium	µg/l	3.67 ± 0.0564	3.83 ± 0.3	0.367	104	0.26
Chromium	µg/l	2.21 ± 0.0559	2.45 ± 0.5	0.188	111	0.24
Copper	µg/l	60.4 ± 0.94	62 ± 8	5.44	103	0.10
Iron	µg/l	113 ± 1.78	125 ± 15	12.4	111	0.40
Lead	µg/l	2.69 ± 0.0583	2.85 ± 0.5	0.403	106	0.16
Manganese	µg/l	20.7 ± 0.331	23 ± 4	1.49	111	0.28
Nickel	µg/l	15.3 ± 0.317	16.5 ± 4	1.83	108	0.15

Summary of results Metals and trace elements M160 - En-Score Labcode: LC0005

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Selenium	µg/l	5.28 ± 0.126	5.1 ± 1	0.634	96.6	-0.09
Uranium	µg/l	1.72 ± 0.0429	1.83 ± 0.3	0.113	107	0.19
Zinc	µg/l	138 ± 1.77	129 ± 16	12.4	93.7	-0.27

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	1.2 ± 0.0214	1.23 ± 0.2	0.168	103	0.08



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	36.3 ± 1.04	48.2 ± 2.9	5.45	133	2.18
Arsenic	µg/l	2.34 ± 0.0752	2.43 ± 0.16	0.304	104	0.30
Cadmium	µg/l	0.517 ± 0.0112	0.552 ± 0.029	0.0517	107	0.68
Chromium	µg/l	3.8 ± 0.0928	5.41 ± 0.27	0.323	142	4.97
Copper	µg/l	9.22 ± 0.241	10.1 ± 0.5	0.829	110	1.07
Iron	µg/l	54 ± 1.38	63.1 ± 3.8	5.94	117	1.53
Lead	µg/l	2.21 ± 0.0437	1.83 ± 0.12	0.332	82.8	-1.15
Manganese	µg/l	30.1 ± 0.599	33.5 ± 1.2	2.17	111	1.55
Nickel	µg/l	5.18 ± 0.152	5.49 ± 0.14	0.622	106	0.49
Selenium	µg/l	2.19 ± 0.0565	2.23 ± 0.07	0.262	102	0.17
Uranium	µg/l	3.49 ± 0.113	2.81 ± 0.17	0.231	80.5	-2.96
Zinc	µg/l	88.5 ± 1.55	93.1 ± 4.1	7.97	105	0.57

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	0.944 ± 0.0244	1.13 ± 0.11	0.132	120	1.41

Sample: M160B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	105 ± 2.25	116 ± 7	15.8	110	0.69
Arsenic	µg/l	5.66 ± 0.136	5.88 ± 0.38	0.736	104	0.30
Cadmium	µg/l	3.67 ± 0.0564	3.75 ± 0.2	0.367	102	0.21
Chromium	µg/l	2.21 ± 0.0559	2.64 ± 0.13	0.188	120	2.30
Copper	µg/l	60.4 ± 0.94	61.8 ± 3.2	5.44	102	0.26
Iron	µg/l	113 ± 1.78	118 ± 7	12.4	104	0.41
Lead	µg/l	2.69 ± 0.0583	2.26 ± 0.14	0.403	84.1	-1.06
Manganese	µg/l	20.7 ± 0.331	22.4 ± 0.8	1.49	108	1.11
Nickel	µg/l	15.3 ± 0.317	15.6 ± 0.4	1.83	102	0.18
Selenium	µg/l	5.28 ± 0.126	5.65 ± 0.18	0.634	107	0.58

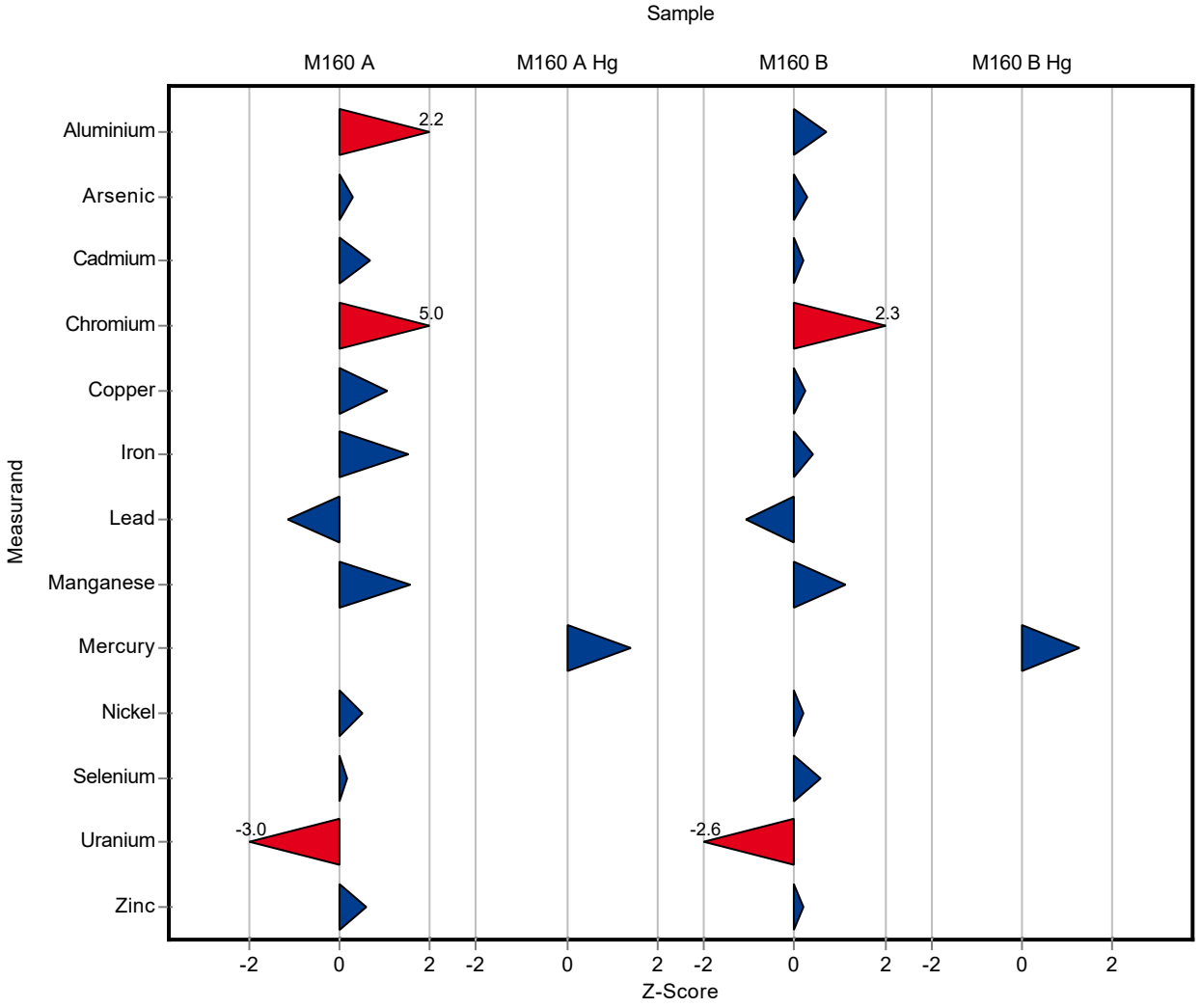
Summary of results Metals and trace elements M160

Labcode: LC0006

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Uranium	µg/l	1.72 ± 0.0429	1.42 ± 0.09	0.113	82.7	-2.61
Zinc	µg/l	138 ± 1.77	140 ± 6	12.4	102	0.19

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	1.2 ± 0.0214	1.41 ± 0.13	0.168	118	1.26



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	36.3 ± 1.04	48.2 ± 2.9	5.45	133	2.02
Arsenic	µg/l	2.34 ± 0.0752	2.43 ± 0.16	0.304	104	0.28
Cadmium	µg/l	0.517 ± 0.0112	0.552 ± 0.029	0.0517	107	0.59
Chromium	µg/l	3.8 ± 0.0928	5.41 ± 0.27	0.323	142	2.93
Copper	µg/l	9.22 ± 0.241	10.1 ± 0.5	0.829	110	0.86
Iron	µg/l	54 ± 1.38	63.1 ± 3.8	5.94	117	1.17
Lead	µg/l	2.21 ± 0.0437	1.83 ± 0.12	0.332	82.8	-1.56
Manganese	µg/l	30.1 ± 0.599	33.5 ± 1.2	2.17	111	1.36
Nickel	µg/l	5.18 ± 0.152	5.49 ± 0.14	0.622	106	0.96
Selenium	µg/l	2.19 ± 0.0565	2.23 ± 0.07	0.262	102	0.29
Uranium	µg/l	3.49 ± 0.113	2.81 ± 0.17	0.231	80.5	-1.90
Zinc	µg/l	88.5 ± 1.55	93.1 ± 4.1	7.97	105	0.55

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	0.944 ± 0.0244	1.13 ± 0.11	0.132	120	0.84

Sample: M160B

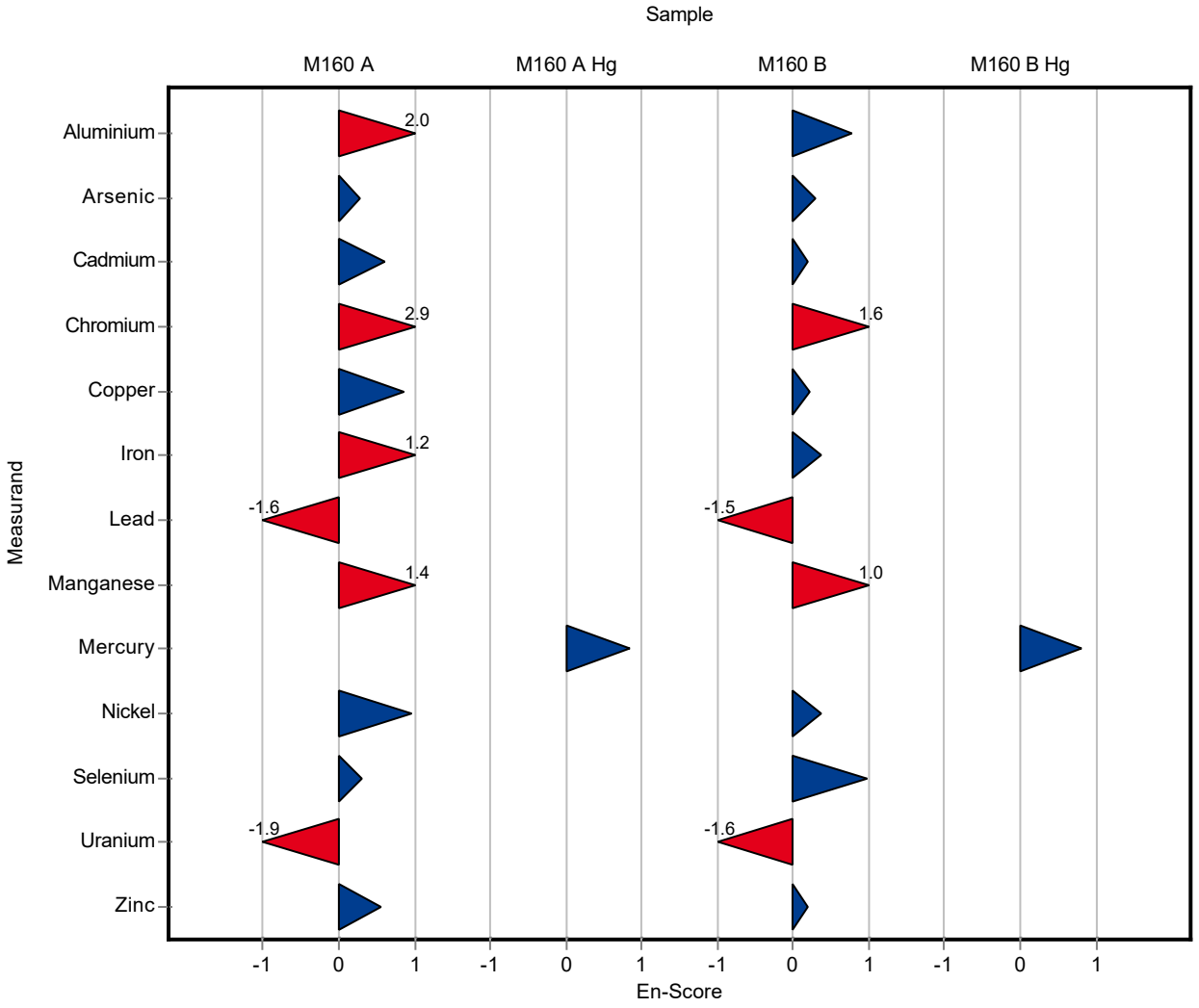
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	105 ± 2.25	116 ± 7	15.8	110	0.76
Arsenic	µg/l	5.66 ± 0.136	5.88 ± 0.38	0.736	104	0.29
Cadmium	µg/l	3.67 ± 0.0564	3.75 ± 0.2	0.367	102	0.19
Chromium	µg/l	2.21 ± 0.0559	2.64 ± 0.13	0.188	120	1.63
Copper	µg/l	60.4 ± 0.94	61.8 ± 3.2	5.44	102	0.22
Iron	µg/l	113 ± 1.78	118 ± 7	12.4	104	0.36
Lead	µg/l	2.69 ± 0.0583	2.26 ± 0.14	0.403	84.1	-1.49
Manganese	µg/l	20.7 ± 0.331	22.4 ± 0.8	1.49	108	1.01
Nickel	µg/l	15.3 ± 0.317	15.6 ± 0.4	1.83	102	0.38

Summary of results Metals and trace elements M160 - En-Score Labcode: LC0006

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Selenium	µg/l	5.28 ± 0.126	5.65 ± 0.18	0.634	107	0.96
Uranium	µg/l	1.72 ± 0.0429	1.42 ± 0.09	0.113	82.7	-1.60
Zinc	µg/l	138 ± 1.77	140 ± 6	12.4	102	0.19

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	1.2 ± 0.0214	1.41 ± 0.13	0.168	118	0.81



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	36.3 ± 1.04	33.9 ± 3.39	5.45	93.4	-0.44
Arsenic	µg/l	2.34 ± 0.0752	2.07 ± 0.21	0.304	88.5	-0.88
Cadmium	µg/l	0.517 ± 0.0112	0.5 ± 0.05	0.0517	96.7	-0.33
Chromium	µg/l	3.8 ± 0.0928	3.44 ± 0.34	0.323	90.4	-1.13
Copper	µg/l	9.22 ± 0.241	6.27 ± 0.63	0.829	68	-3.55
Iron	µg/l	54 ± 1.38	48.6 ± 4.9	5.94	89.9	-0.91
Lead	µg/l	2.21 ± 0.0437	1.8 ± 0.18	0.332	81.4	-1.24
Manganese	µg/l	30.1 ± 0.599	26.3 ± 2.6	2.17	87.3	-1.77
Nickel	µg/l	5.18 ± 0.152	4.21 ± 0.42	0.622	81.2	-1.57
Selenium	µg/l	2.19 ± 0.0565	2.22 ± 0.22	0.262	102	0.13
Uranium	µg/l	3.49 ± 0.113	3.23 ± 0.32	0.231	92.5	-1.14
Zinc	µg/l	88.5 ± 1.55	71.1 ± 7.1	7.97	80.3	-2.19

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	0.944 ± 0.0244	0.836 ± 0.084	0.132	88.6	-0.82

Sample: M160B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	105 ± 2.25	92.6 ± 9.3	15.8	88	-0.80
Arsenic	µg/l	5.66 ± 0.136	5.13 ± 0.51	0.736	90.7	-0.72
Cadmium	µg/l	3.67 ± 0.0564	3.3 ± 0.33	0.367	89.8	-1.02
Chromium	µg/l	2.21 ± 0.0559	1.84 ± 0.18	0.188	83.3	-1.96
Copper	µg/l	60.4 ± 0.94	39 ± 3.9	5.44	64.6	-3.94
Iron	µg/l	113 ± 1.78	104 ± 10.4	12.4	92.1	-0.72
Lead	µg/l	2.69 ± 0.0583	2.4 ± 0.24	0.403	89.3	-0.71
Manganese	µg/l	20.7 ± 0.331	18.5 ± 1.85	1.49	89.2	-1.51
Nickel	µg/l	15.3 ± 0.317	12.9 ± 1.29	1.83	84.5	-1.30
Selenium	µg/l	5.28 ± 0.126	5.41 ± 0.54	0.634	102	0.20

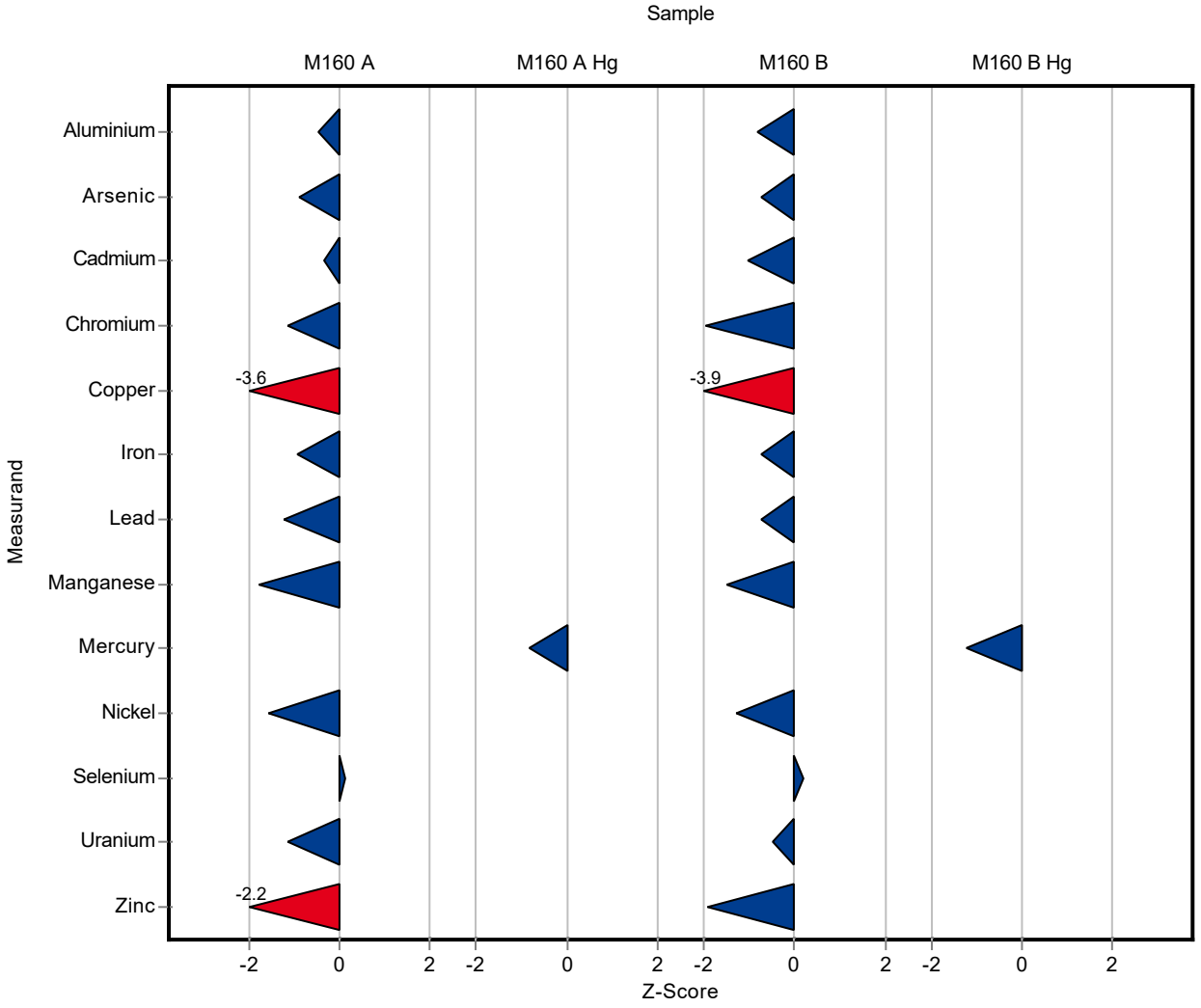
Summary of results Metals and trace elements M160

Labcode: LC0007

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Uranium	µg/l	1.72 ± 0.0429	1.66 ± 0.17	0.113	96.7	-0.50
Zinc	µg/l	138 ± 1.77	114 ± 11	12.4	82.8	-1.91

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	1.2 ± 0.0214	0.996 ± 0.1	0.168	83.1	-1.21



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	36.3 ± 1.04	33.9 ± 3.39	5.45	93.4	-0.35
Arsenic	µg/l	2.34 ± 0.0752	2.07 ± 0.21	0.304	88.5	-0.63
Cadmium	µg/l	0.517 ± 0.0112	0.5 ± 0.05	0.0517	96.7	-0.17
Chromium	µg/l	3.8 ± 0.0928	3.44 ± 0.34	0.323	90.4	-0.53
Copper	µg/l	9.22 ± 0.241	6.27 ± 0.63	0.829	68	-2.30
Iron	µg/l	54 ± 1.38	48.6 ± 4.9	5.94	89.9	-0.55
Lead	µg/l	2.21 ± 0.0437	1.8 ± 0.18	0.332	81.4	-1.13
Manganese	µg/l	30.1 ± 0.599	26.3 ± 2.6	2.17	87.3	-0.73
Nickel	µg/l	5.18 ± 0.152	4.21 ± 0.42	0.622	81.2	-1.14
Selenium	µg/l	2.19 ± 0.0565	2.22 ± 0.22	0.262	102	0.08
Uranium	µg/l	3.49 ± 0.113	3.23 ± 0.32	0.231	92.5	-0.40
Zinc	µg/l	88.5 ± 1.55	71.1 ± 7.1	7.97	80.3	-1.22

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	0.944 ± 0.0244	0.836 ± 0.084	0.132	88.6	-0.64

Sample: M160B

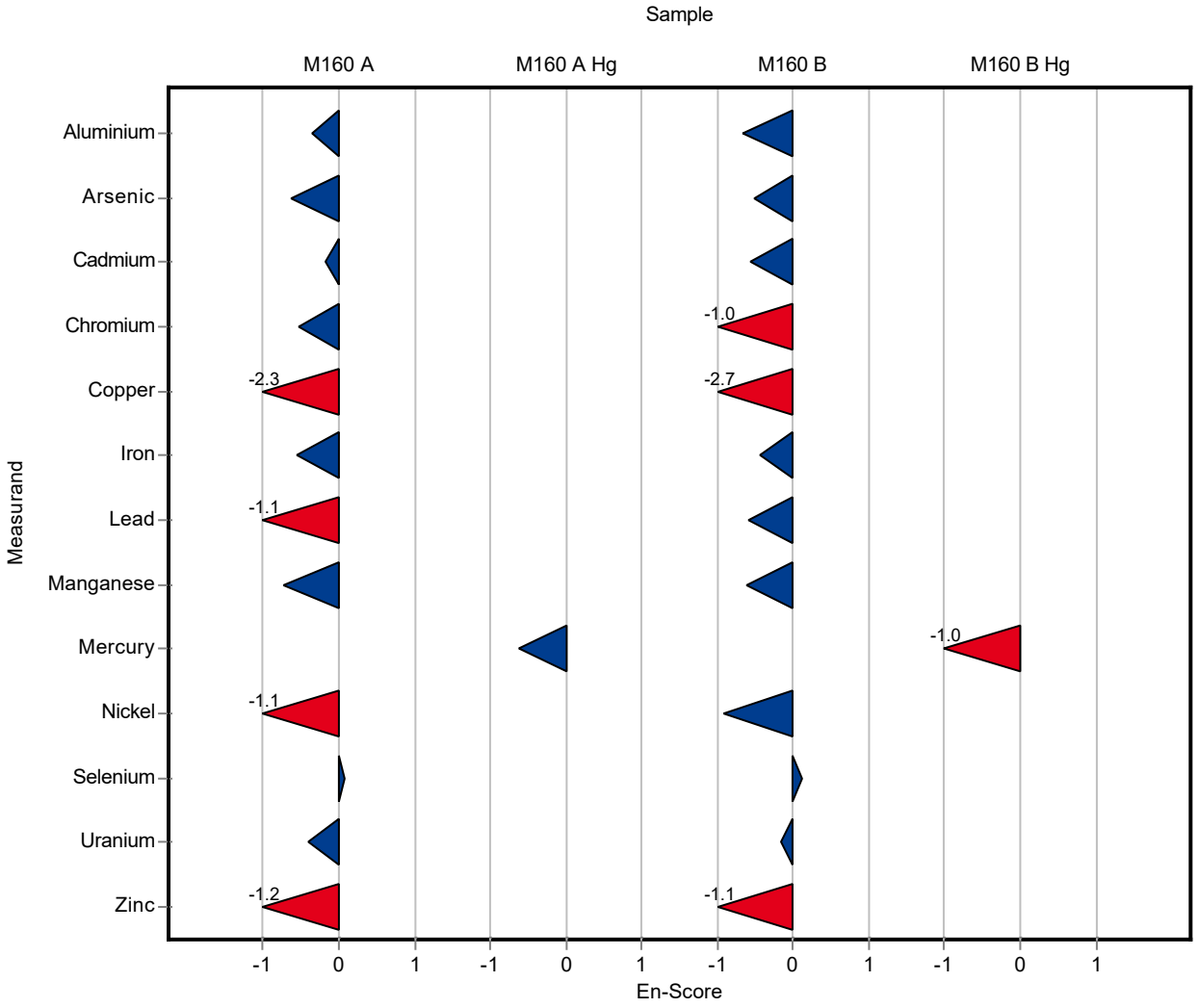
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	105 ± 2.25	92.6 ± 9.3	15.8	88	-0.67
Arsenic	µg/l	5.66 ± 0.136	5.13 ± 0.51	0.736	90.7	-0.51
Cadmium	µg/l	3.67 ± 0.0564	3.3 ± 0.33	0.367	89.8	-0.56
Chromium	µg/l	2.21 ± 0.0559	1.84 ± 0.18	0.188	83.3	-1.01
Copper	µg/l	60.4 ± 0.94	39 ± 3.9	5.44	64.6	-2.72
Iron	µg/l	113 ± 1.78	104 ± 10.4	12.4	92.1	-0.43
Lead	µg/l	2.69 ± 0.0583	2.4 ± 0.24	0.403	89.3	-0.59
Manganese	µg/l	20.7 ± 0.331	18.5 ± 1.85	1.49	89.2	-0.60
Nickel	µg/l	15.3 ± 0.317	12.9 ± 1.29	1.83	84.5	-0.91

Summary of results Metals and trace elements M160 - En-Score Labcode: LC0007

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Selenium	µg/l	5.28 ± 0.126	5.41 ± 0.54	0.634	102	0.12
Uranium	µg/l	1.72 ± 0.0429	1.66 ± 0.17	0.113	96.7	-0.16
Zinc	µg/l	138 ± 1.77	114 ± 11	12.4	82.8	-1.07

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	1.2 ± 0.0214	0.996 ± 0.1	0.168	83.1	-1.01



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	36.3 ± 1.04	34.83 ± 7.22	5.45	95.9	-0.27
Arsenic	µg/l	2.34 ± 0.0752	2.16 ± 0.5	0.304	92.4	-0.58
Cadmium	µg/l	0.517 ± 0.0112	0.531 ± 0.07	0.0517	103	0.27
Chromium	µg/l	3.8 ± 0.0928	3.6 ± 0.33	0.323	94.6	-0.63
Copper	µg/l	9.22 ± 0.241	8.29 ± 1.32	0.829	90	-1.12
Iron	µg/l	54 ± 1.38	48.77 ± 9.41	5.94	90.3	-0.89
Lead	µg/l	2.21 ± 0.0437	2.19 ± 0.35	0.332	99	-0.06
Manganese	µg/l	30.1 ± 0.599	28.49 ± 3.69	2.17	94.5	-0.76
Nickel	µg/l	5.18 ± 0.152	4.45 ± 1	0.622	85.8	-1.18
Selenium	µg/l	2.19 ± 0.0565	2.15 ± 0.55	0.262	98.4	-0.14
Uranium	µg/l	3.49 ± 0.113	3.48 ± 0.53	0.231	99.6	-0.06
Zinc	µg/l	88.5 ± 1.55	84.51 ± 10.79	7.97	95.5	-0.51

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	0.944 ± 0.0244	0.927 ± 0.278	0.132	98.2	-0.13

Sample: M160B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	105 ± 2.25	97.61 ± 20.22	15.8	92.8	-0.48
Arsenic	µg/l	5.66 ± 0.136	5.2 ± 1.2	0.736	91.9	-0.62
Cadmium	µg/l	3.67 ± 0.0564	3.77 ± 0.5	0.367	103	0.26
Chromium	µg/l	2.21 ± 0.0559	2.08 ± 0.19	0.188	94.2	-0.68
Copper	µg/l	60.4 ± 0.94	55.8 ± 8.86	5.44	92.4	-0.85
Iron	µg/l	113 ± 1.78	103.87 ± 20.04	12.4	92	-0.73
Lead	µg/l	2.69 ± 0.0583	2.68 ± 0.43	0.403	99.7	-0.02
Manganese	µg/l	20.7 ± 0.331	19.98 ± 2.59	1.49	96.3	-0.51
Nickel	µg/l	15.3 ± 0.317	13.95 ± 3.14	1.83	91.3	-0.72
Selenium	µg/l	5.28 ± 0.126	5.32 ± 1.37	0.634	101	0.06

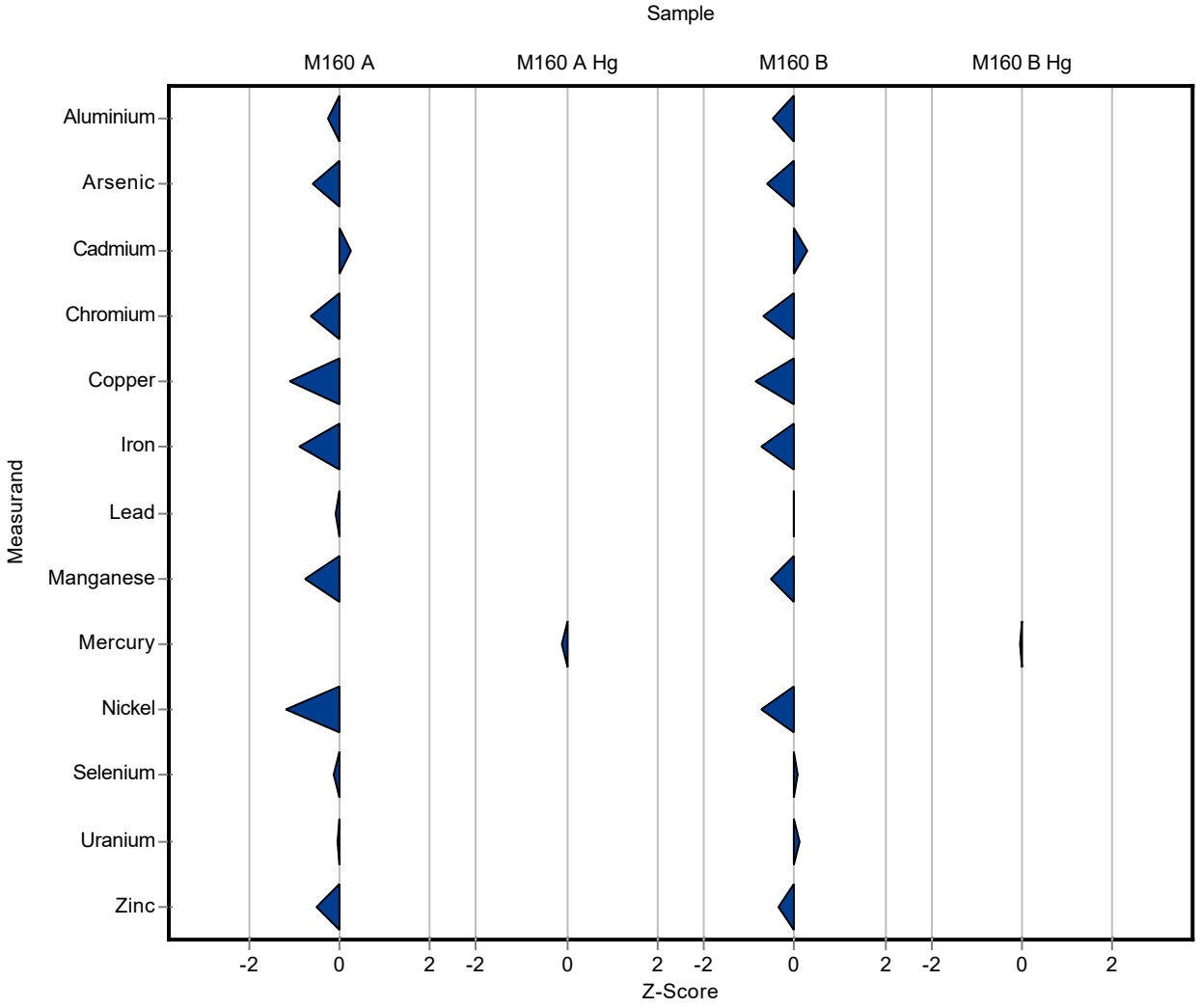
Summary of results Metals and trace elements M160

Labcode: LC0008

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Uranium	µg/l	1.72 ± 0.0429	1.73 ± 0.26	0.113	101	0.12
Zinc	µg/l	138 ± 1.77	133.52 ± 17.05	12.4	97	-0.34

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	1.2 ± 0.0214	1.191 ± 0.357	0.168	99.3	-0.05



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	36.3 ± 1.04	34.83 ± 7.22	5.45	95.9	-0.10
Arsenic	µg/l	2.34 ± 0.0752	2.16 ± 0.5	0.304	92.4	-0.18
Cadmium	µg/l	0.517 ± 0.0112	0.531 ± 0.07	0.0517	103	0.10
Chromium	µg/l	3.8 ± 0.0928	3.6 ± 0.33	0.323	94.6	-0.31
Copper	µg/l	9.22 ± 0.241	8.29 ± 1.32	0.829	90	-0.35
Iron	µg/l	54 ± 1.38	48.77 ± 9.41	5.94	90.3	-0.28
Lead	µg/l	2.21 ± 0.0437	2.19 ± 0.35	0.332	99	-0.03
Manganese	µg/l	30.1 ± 0.599	28.49 ± 3.69	2.17	94.5	-0.22
Nickel	µg/l	5.18 ± 0.152	4.45 ± 1	0.622	85.8	-0.37
Selenium	µg/l	2.19 ± 0.0565	2.15 ± 0.55	0.262	98.4	-0.03
Uranium	µg/l	3.49 ± 0.113	3.48 ± 0.53	0.231	99.6	-0.01
Zinc	µg/l	88.5 ± 1.55	84.51 ± 10.79	7.97	95.5	-0.19

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	0.944 ± 0.0244	0.927 ± 0.278	0.132	98.2	-0.03

Sample: M160B

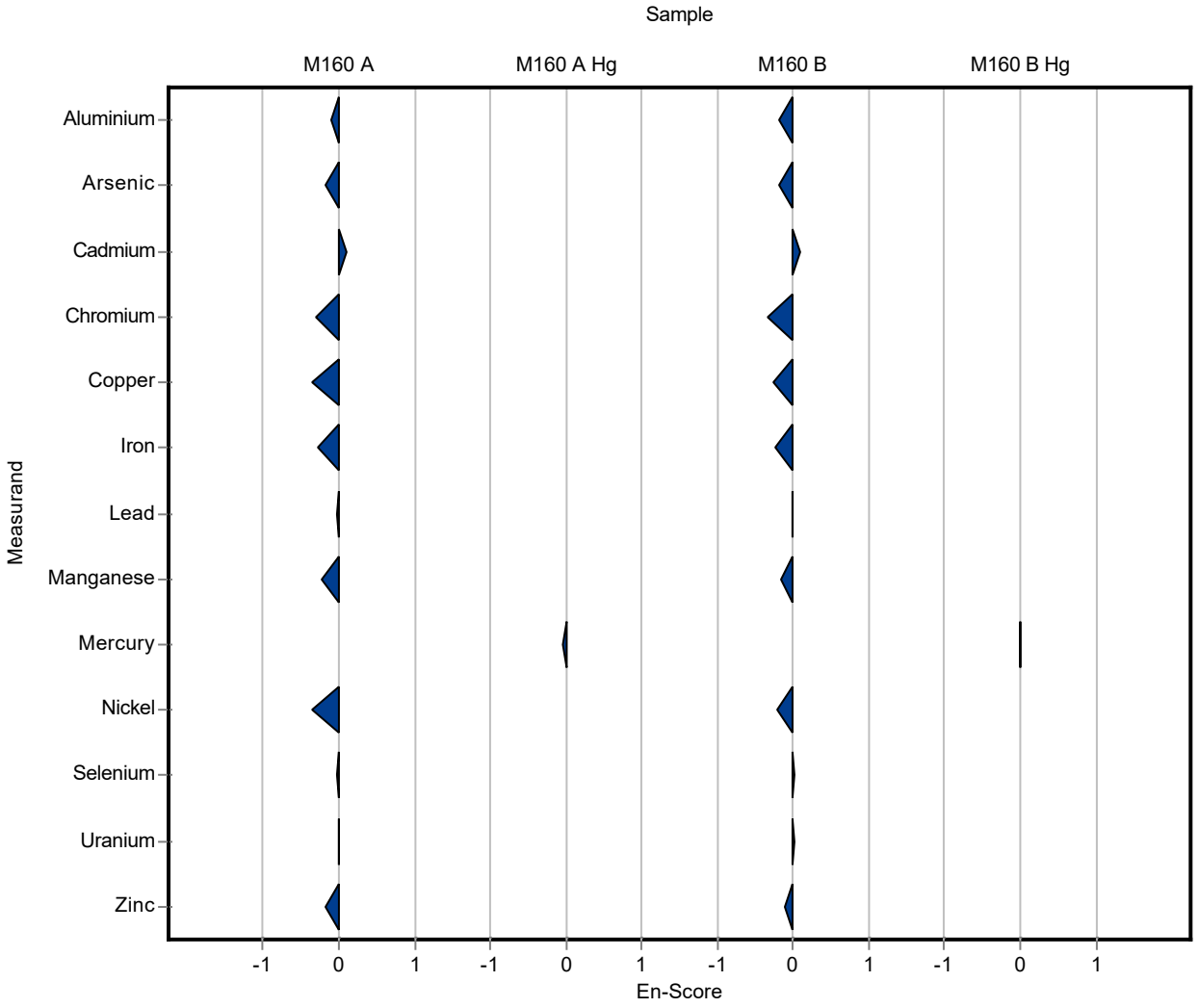
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	105 ± 2.25	97.61 ± 20.22	15.8	92.8	-0.19
Arsenic	µg/l	5.66 ± 0.136	5.2 ± 1.2	0.736	91.9	-0.19
Cadmium	µg/l	3.67 ± 0.0564	3.77 ± 0.5	0.367	103	0.10
Chromium	µg/l	2.21 ± 0.0559	2.08 ± 0.19	0.188	94.2	-0.33
Copper	µg/l	60.4 ± 0.94	55.8 ± 8.86	5.44	92.4	-0.26
Iron	µg/l	113 ± 1.78	103.87 ± 20.04	12.4	92	-0.23
Lead	µg/l	2.69 ± 0.0583	2.68 ± 0.43	0.403	99.7	-0.01
Manganese	µg/l	20.7 ± 0.331	19.98 ± 2.59	1.49	96.3	-0.15
Nickel	µg/l	15.3 ± 0.317	13.95 ± 3.14	1.83	91.3	-0.21

Summary of results Metals and trace elements M160 - En-Score Labcode: LC0008

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Selenium	µg/l	5.28 ± 0.126	5.32 ± 1.37	0.634	101	0.01
Uranium	µg/l	1.72 ± 0.0429	1.73 ± 0.26	0.113	101	0.03
Zinc	µg/l	138 ± 1.77	133.52 ± 17.05	12.4	97	-0.12

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	1.2 ± 0.0214	1.191 ± 0.357	0.168	99.3	-0.01



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	36.3 ± 1.04	17.67 ± 2.94	5.45	48.7	-3.42
Arsenic	µg/l	2.34 ± 0.0752	1.17 ± 0.23	0.304	50	-3.84
Cadmium	µg/l	0.517 ± 0.0112	0.64 ± 0.15	0.0517	124	2.38
Chromium	µg/l	3.8 ± 0.0928	3.27 ± 0.3	0.323	86	-1.65
Copper	µg/l	9.22 ± 0.241	4.95 ± 0.5	0.829	53.7	-5.14
Iron	µg/l	54 ± 1.38	15.35 ± 1.5	5.94	28.4	-6.51
Lead	µg/l	2.21 ± 0.0437	1.89 ± 0.5	0.332	85.5	-0.97
Manganese	µg/l	30.1 ± 0.599	16.75 ± 1.5	2.17	55.6	-6.17
Nickel	µg/l	5.18 ± 0.152	5.51 ± 0.5	0.622	106	0.52
Selenium	µg/l	2.19 ± 0.0565	0.97 ± 0.5	0.262	44.4	-4.63
Uranium	µg/l	3.49 ± 0.113	- ± -	0.231	-	-
Zinc	µg/l	88.5 ± 1.55	53.45 ± 3.5	7.97	60.4	-4.40

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	0.944 ± 0.0244	- ± -	0.132	-	-

Sample: M160B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	105 ± 2.25	70.78 ± 2.94	15.8	67.3	-2.18
Arsenic	µg/l	5.66 ± 0.136	4.21 ± 0.24	0.736	74.4	-1.97
Cadmium	µg/l	3.67 ± 0.0564	3.78 ± 0.25	0.367	103	0.29
Chromium	µg/l	2.21 ± 0.0559	2.27 ± 0.3	0.188	103	0.33
Copper	µg/l	60.4 ± 0.94	42.94 ± 1.5	5.44	71.1	-3.21
Iron	µg/l	113 ± 1.78	36.05 ± 2.5	12.4	31.9	-6.19
Lead	µg/l	2.69 ± 0.0583	2.42 ± 0.5	0.403	90.1	-0.66
Manganese	µg/l	20.7 ± 0.331	15.51 ± 1.5	1.49	74.8	-3.51
Nickel	µg/l	15.3 ± 0.317	12.8 ± 1	1.83	83.8	-1.35
Selenium	µg/l	5.28 ± 0.126	4.21 ± 0.8	0.634	79.7	-1.69

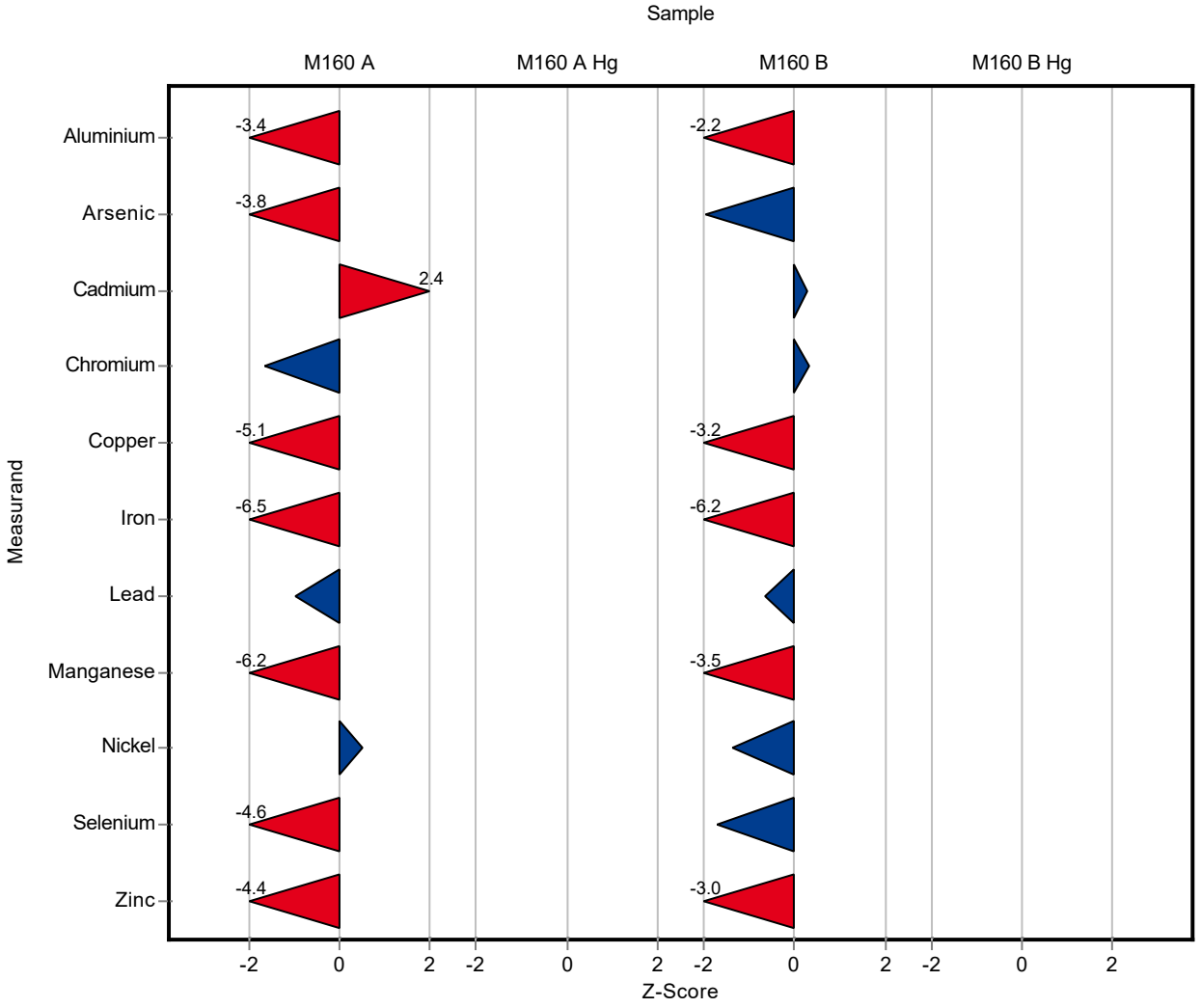
Summary of results Metals and trace elements M160

Labcode: LC0009

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Uranium	µg/l	1.72 ± 0.0429	- ± -	0.113	-	-
Zinc	µg/l	138 ± 1.77	101.12 ± 5.5	12.4	73.4	-2.95

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	1.2 ± 0.0214	- ± -	0.168	-	-



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	36.3 ± 1.04	17.67 ± 2.94	5.45	48.7	-3.12
Arsenic	µg/l	2.34 ± 0.0752	1.17 ± 0.23	0.304	50	-2.51
Cadmium	µg/l	0.517 ± 0.0112	0.64 ± 0.15	0.0517	124	0.41
Chromium	µg/l	3.8 ± 0.0928	3.27 ± 0.3	0.323	86	-0.88
Copper	µg/l	9.22 ± 0.241	4.95 ± 0.5	0.829	53.7	-4.15
Iron	µg/l	54 ± 1.38	15.35 ± 1.5	5.94	28.4	-11.70
Lead	µg/l	2.21 ± 0.0437	1.89 ± 0.5	0.332	85.5	-0.32
Manganese	µg/l	30.1 ± 0.599	16.75 ± 1.5	2.17	55.6	-4.38
Nickel	µg/l	5.18 ± 0.152	5.51 ± 0.5	0.622	106	0.32
Selenium	µg/l	2.19 ± 0.0565	0.97 ± 0.5	0.262	44.4	-1.21
Uranium	µg/l	3.49 ± 0.113	- ± -	0.231	-	-
Zinc	µg/l	88.5 ± 1.55	53.45 ± 3.5	7.97	60.4	-4.89

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	0.944 ± 0.0244	- ± -	0.132	-	-

Sample: M160B

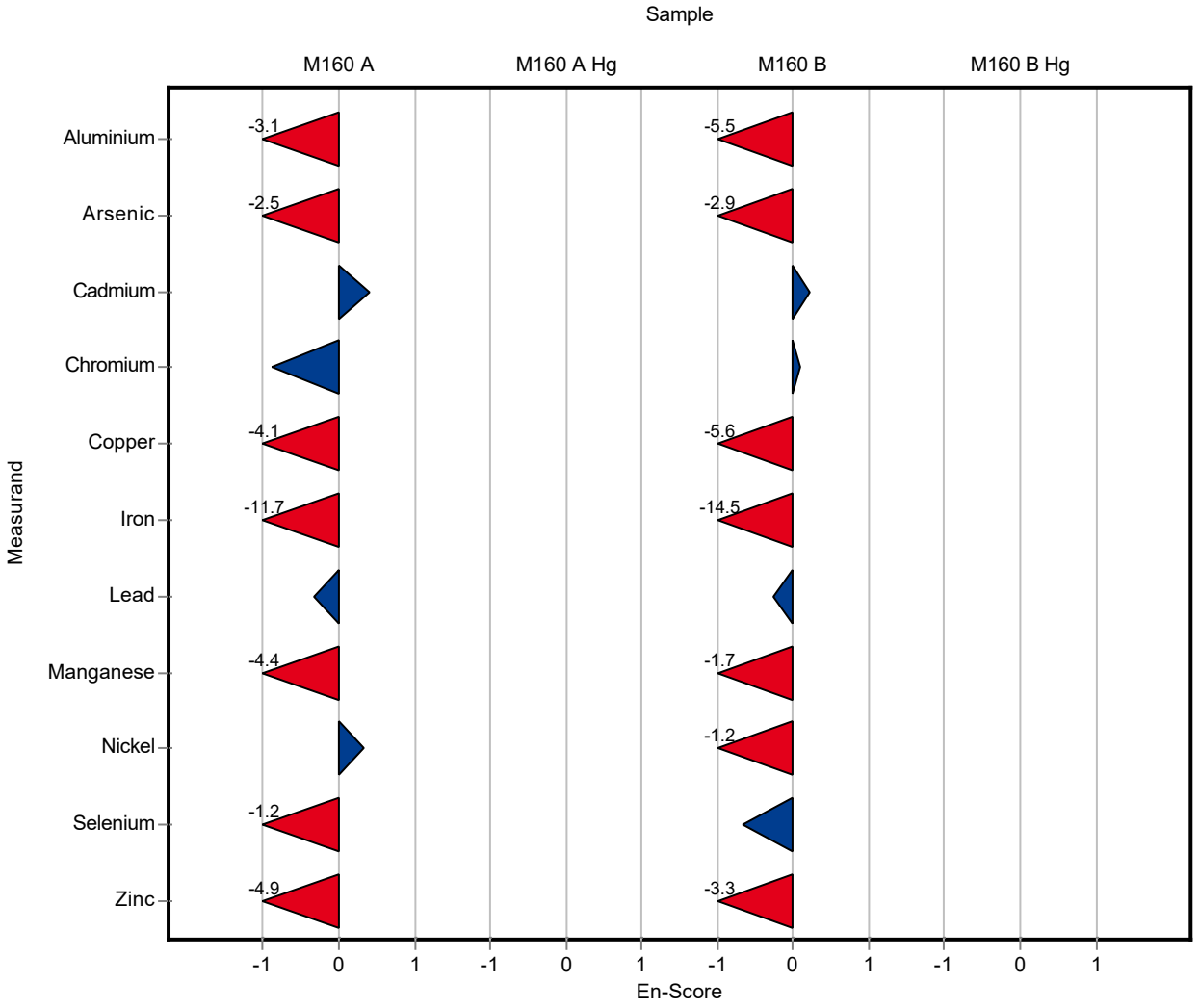
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	105 ± 2.25	70.78 ± 2.94	15.8	67.3	-5.46
Arsenic	µg/l	5.66 ± 0.136	4.21 ± 0.24	0.736	74.4	-2.90
Cadmium	µg/l	3.67 ± 0.0564	3.78 ± 0.25	0.367	103	0.21
Chromium	µg/l	2.21 ± 0.0559	2.27 ± 0.3	0.188	103	0.10
Copper	µg/l	60.4 ± 0.94	42.94 ± 1.5	5.44	71.1	-5.55
Iron	µg/l	113 ± 1.78	36.05 ± 2.5	12.4	31.9	-14.50
Lead	µg/l	2.69 ± 0.0583	2.42 ± 0.5	0.403	90.1	-0.27
Manganese	µg/l	20.7 ± 0.331	15.51 ± 1.5	1.49	74.8	-1.74
Nickel	µg/l	15.3 ± 0.317	12.8 ± 1	1.83	83.8	-1.22

Summary of results Metals and trace elements M160 - En-Score Labcode: LC0009

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Selenium	µg/l	5.28 ± 0.126	4.21 ± 0.8	0.634	79.7	-0.67
Uranium	µg/l	1.72 ± 0.0429	- ± -	0.113	-	-
Zinc	µg/l	138 ± 1.77	101.12 ± 5.5	12.4	73.4	-3.28

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	1.2 ± 0.0214	- ± -	0.168	-	-



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	36.3 ± 1.04	34.6 ± 2.42	5.45	95.3	-0.31
Arsenic	µg/l	2.34 ± 0.0752	2.38 ± 0.17	0.304	102	0.14
Cadmium	µg/l	0.517 ± 0.0112	0.505 ± 0.035	0.0517	97.7	-0.23
Chromium	µg/l	3.8 ± 0.0928	3.83 ± 0.27	0.323	101	0.08
Copper	µg/l	9.22 ± 0.241	8.95 ± 0.63	0.829	97.1	-0.32
Iron	µg/l	54 ± 1.38	53 ± 3.71	5.94	98.1	-0.17
Lead	µg/l	2.21 ± 0.0437	2.28 ± 0.16	0.332	103	0.21
Manganese	µg/l	30.1 ± 0.599	29.5 ± 2.1	2.17	97.9	-0.29
Nickel	µg/l	5.18 ± 0.152	5.04 ± 0.35	0.622	97.2	-0.23
Selenium	µg/l	2.19 ± 0.0565	- ± -	0.262	-	-
Uranium	µg/l	3.49 ± 0.113	3.74 ± 0.26	0.231	107	1.07
Zinc	µg/l	88.5 ± 1.55	88.5 ± 6.2	7.97	100	0.00

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	0.944 ± 0.0244	- ± -	0.132	-	-

Sample: M160B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	105 ± 2.25	101 ± 7.1	15.8	96	-0.27
Arsenic	µg/l	5.66 ± 0.136	5.76 ± 0.4	0.736	102	0.14
Cadmium	µg/l	3.67 ± 0.0564	3.55 ± 0.25	0.367	96.6	-0.34
Chromium	µg/l	2.21 ± 0.0559	2.21 ± 0.15	0.188	100	0.01
Copper	µg/l	60.4 ± 0.94	61.2 ± 4.28	5.44	101	0.15
Iron	µg/l	113 ± 1.78	116 ± 8.1	12.4	103	0.25
Lead	µg/l	2.69 ± 0.0583	2.72 ± 0.19	0.403	101	0.08
Manganese	µg/l	20.7 ± 0.331	20.4 ± 1.4	1.49	98.3	-0.23
Nickel	µg/l	15.3 ± 0.317	15.1 ± 1.1	1.83	98.9	-0.10
Selenium	µg/l	5.28 ± 0.126	- ± -	0.634	-	-

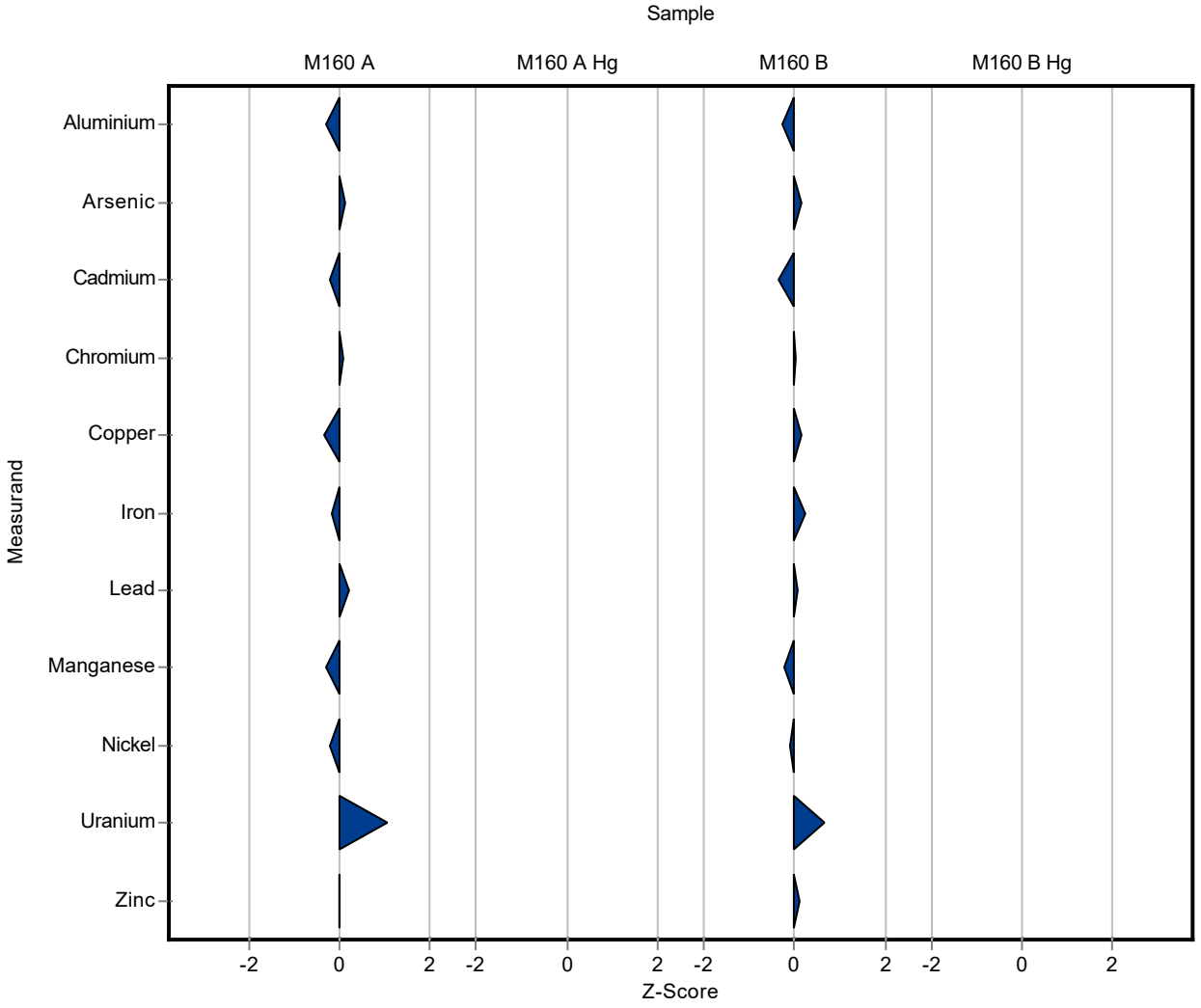
Summary of results Metals and trace elements M160

Labcode: LC0010

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Uranium	µg/l	1.72 ± 0.0429	1.79 ± 0.13	0.113	104	0.65
Zinc	µg/l	138 ± 1.77	139 ± 10	12.4	101	0.11

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	1.2 ± 0.0214	- ± -	0.168	-	-



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	36.3 ± 1.04	34.6 ± 2.42	5.45	95.3	-0.35
Arsenic	µg/l	2.34 ± 0.0752	2.38 ± 0.17	0.304	102	0.12
Cadmium	µg/l	0.517 ± 0.0112	0.505 ± 0.035	0.0517	97.7	-0.17
Chromium	µg/l	3.8 ± 0.0928	3.83 ± 0.27	0.323	101	0.05
Copper	µg/l	9.22 ± 0.241	8.95 ± 0.63	0.829	97.1	-0.21
Iron	µg/l	54 ± 1.38	53 ± 3.71	5.94	98.1	-0.14
Lead	µg/l	2.21 ± 0.0437	2.28 ± 0.16	0.332	103	0.21
Manganese	µg/l	30.1 ± 0.599	29.5 ± 2.1	2.17	97.9	-0.15
Nickel	µg/l	5.18 ± 0.152	5.04 ± 0.35	0.622	97.2	-0.20
Selenium	µg/l	2.19 ± 0.0565	- ± -	0.262	-	-
Uranium	µg/l	3.49 ± 0.113	3.74 ± 0.26	0.231	107	0.47
Zinc	µg/l	88.5 ± 1.55	88.5 ± 6.2	7.97	100	0.00

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	0.944 ± 0.0244	- ± -	0.132	-	-

Sample: M160B

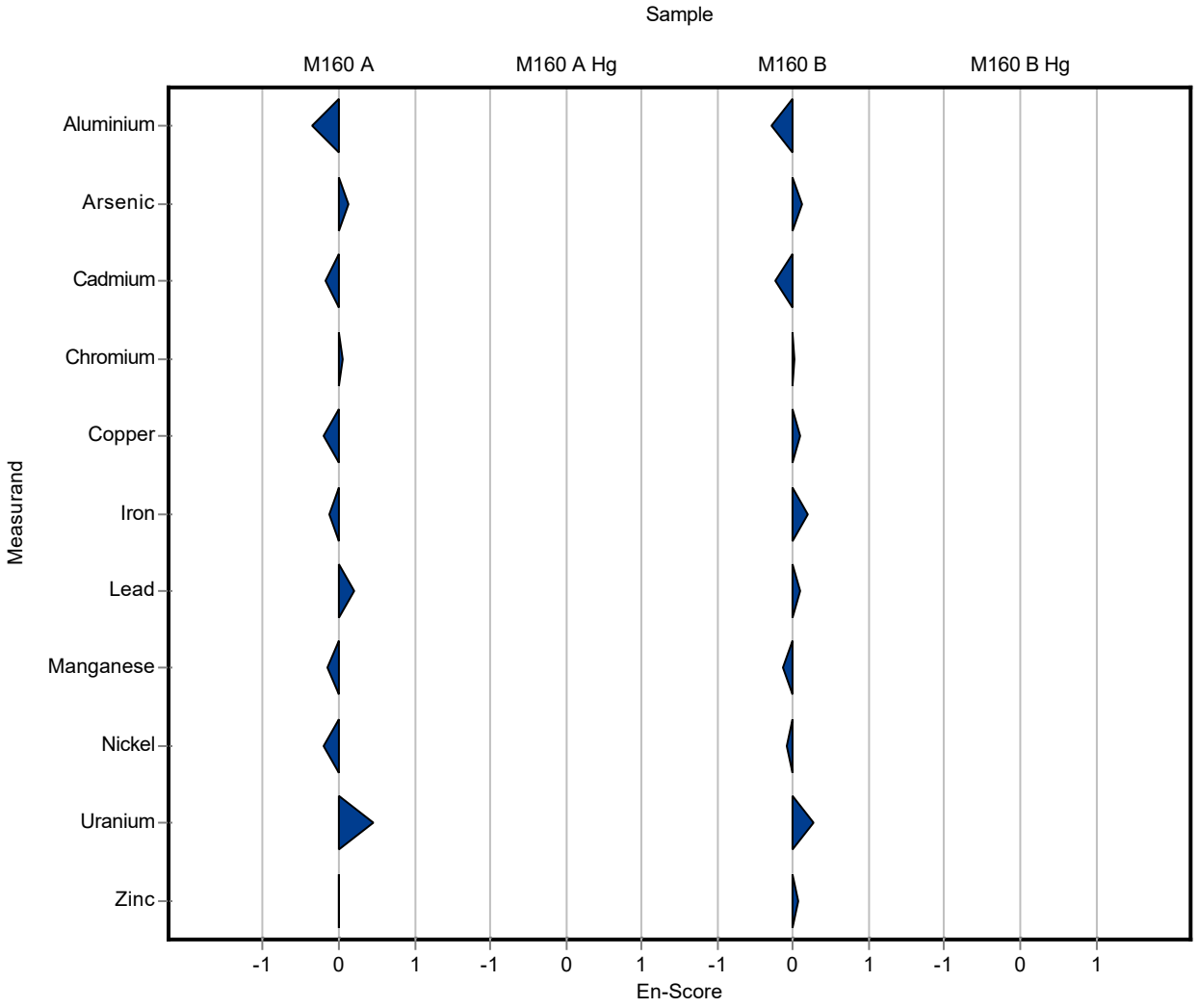
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	105 ± 2.25	101 ± 7.1	15.8	96	-0.29
Arsenic	µg/l	5.66 ± 0.136	5.76 ± 0.4	0.736	102	0.13
Cadmium	µg/l	3.67 ± 0.0564	3.55 ± 0.25	0.367	96.6	-0.24
Chromium	µg/l	2.21 ± 0.0559	2.21 ± 0.15	0.188	100	0.01
Copper	µg/l	60.4 ± 0.94	61.2 ± 4.28	5.44	101	0.09
Iron	µg/l	113 ± 1.78	116 ± 8.1	12.4	103	0.19
Lead	µg/l	2.69 ± 0.0583	2.72 ± 0.19	0.403	101	0.09
Manganese	µg/l	20.7 ± 0.331	20.4 ± 1.4	1.49	98.3	-0.12
Nickel	µg/l	15.3 ± 0.317	15.1 ± 1.1	1.83	98.9	-0.08

Summary of results Metals and trace elements M160 - En-Score Labcode: LC0010

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Selenium	µg/l	5.28 ± 0.126	- ± -	0.634	-	-
Uranium	µg/l	1.72 ± 0.0429	1.79 ± 0.13	0.113	104	0.28
Zinc	µg/l	138 ± 1.77	139 ± 10	12.4	101	0.07

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	1.2 ± 0.0214	- ± -	0.168	-	-



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	36.3 ± 1.04	42.5 ± 4	5.45	117	1.14
Arsenic	µg/l	2.34 ± 0.0752	- ± -	0.304	-	-
Cadmium	µg/l	0.517 ± 0.0112	- ± -	0.0517	-	-
Chromium	µg/l	3.8 ± 0.0928	- ± -	0.323	-	-
Copper	µg/l	9.22 ± 0.241	19 ± 5	0.829	206	11.80
Iron	µg/l	54 ± 1.38	59.5 ± 4	5.94	110	0.92
Lead	µg/l	2.21 ± 0.0437	- ± -	0.332	-	-
Manganese	µg/l	30.1 ± 0.599	32.5 ± 2	2.17	108	1.09
Nickel	µg/l	5.18 ± 0.152	- ± -	0.622	-	-
Selenium	µg/l	2.19 ± 0.0565	- ± -	0.262	-	-
Uranium	µg/l	3.49 ± 0.113	- ± -	0.231	-	-
Zinc	µg/l	88.5 ± 1.55	83 ± 10	7.97	93.7	-0.69

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	0.944 ± 0.0244	- ± -	0.132	-	-

Sample: M160B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	105 ± 2.25	110 ± 4	15.8	105	0.30
Arsenic	µg/l	5.66 ± 0.136	- ± -	0.736	-	-
Cadmium	µg/l	3.67 ± 0.0564	- ± -	0.367	-	-
Chromium	µg/l	2.21 ± 0.0559	- ± -	0.188	-	-
Copper	µg/l	60.4 ± 0.94	83 ± 5	5.44	137	4.16
Iron	µg/l	113 ± 1.78	122 ± 4	12.4	108	0.73
Lead	µg/l	2.69 ± 0.0583	- ± -	0.403	-	-
Manganese	µg/l	20.7 ± 0.331	23 ± 2	1.49	111	1.51
Nickel	µg/l	15.3 ± 0.317	- ± -	1.83	-	-
Selenium	µg/l	5.28 ± 0.126	- ± -	0.634	-	-

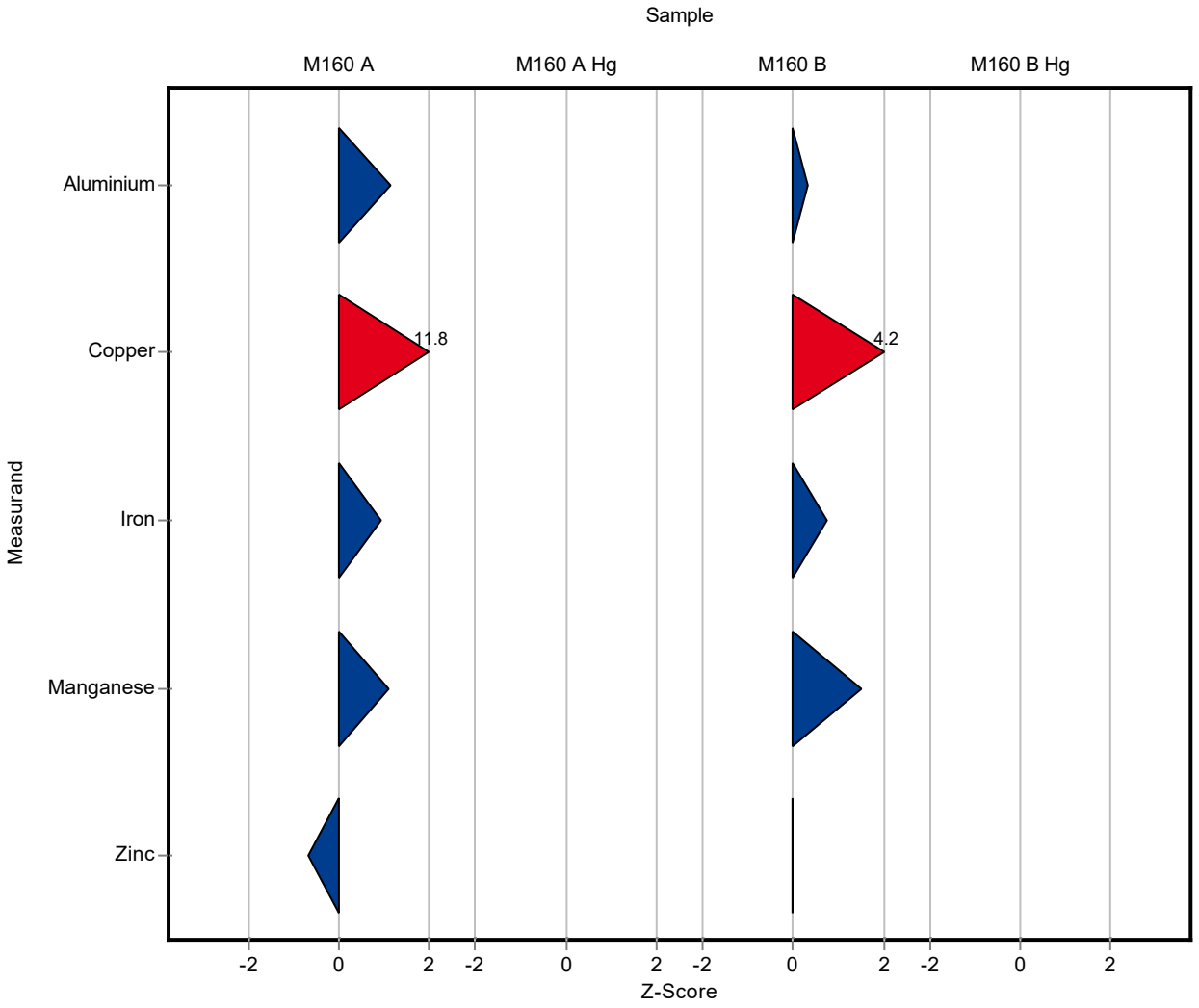
Summary of results Metals and trace elements M160

Labcode: LC0011

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Uranium	µg/l	1.72 ± 0.0429	- ± -	0.113	-	-
Zinc	µg/l	138 ± 1.77	137.5 ± 10	12.4	99.9	-0.02

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	1.2 ± 0.0214	- ± -	0.168	-	-



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	36.3 ± 1.04	42.5 ± 4	5.45	117	0.77
Arsenic	µg/l	2.34 ± 0.0752	- ± -	0.304	-	-
Cadmium	µg/l	0.517 ± 0.0112	- ± -	0.0517	-	-
Chromium	µg/l	3.8 ± 0.0928	- ± -	0.323	-	-
Copper	µg/l	9.22 ± 0.241	19 ± 5	0.829	206	0.98
Iron	µg/l	54 ± 1.38	59.5 ± 4	5.94	110	0.67
Lead	µg/l	2.21 ± 0.0437	- ± -	0.332	-	-
Manganese	µg/l	30.1 ± 0.599	32.5 ± 2	2.17	108	0.58
Nickel	µg/l	5.18 ± 0.152	- ± -	0.622	-	-
Selenium	µg/l	2.19 ± 0.0565	- ± -	0.262	-	-
Uranium	µg/l	3.49 ± 0.113	- ± -	0.231	-	-
Zinc	µg/l	88.5 ± 1.55	83 ± 10	7.97	93.7	-0.28

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	0.944 ± 0.0244	- ± -	0.132	-	-

Sample: M160B

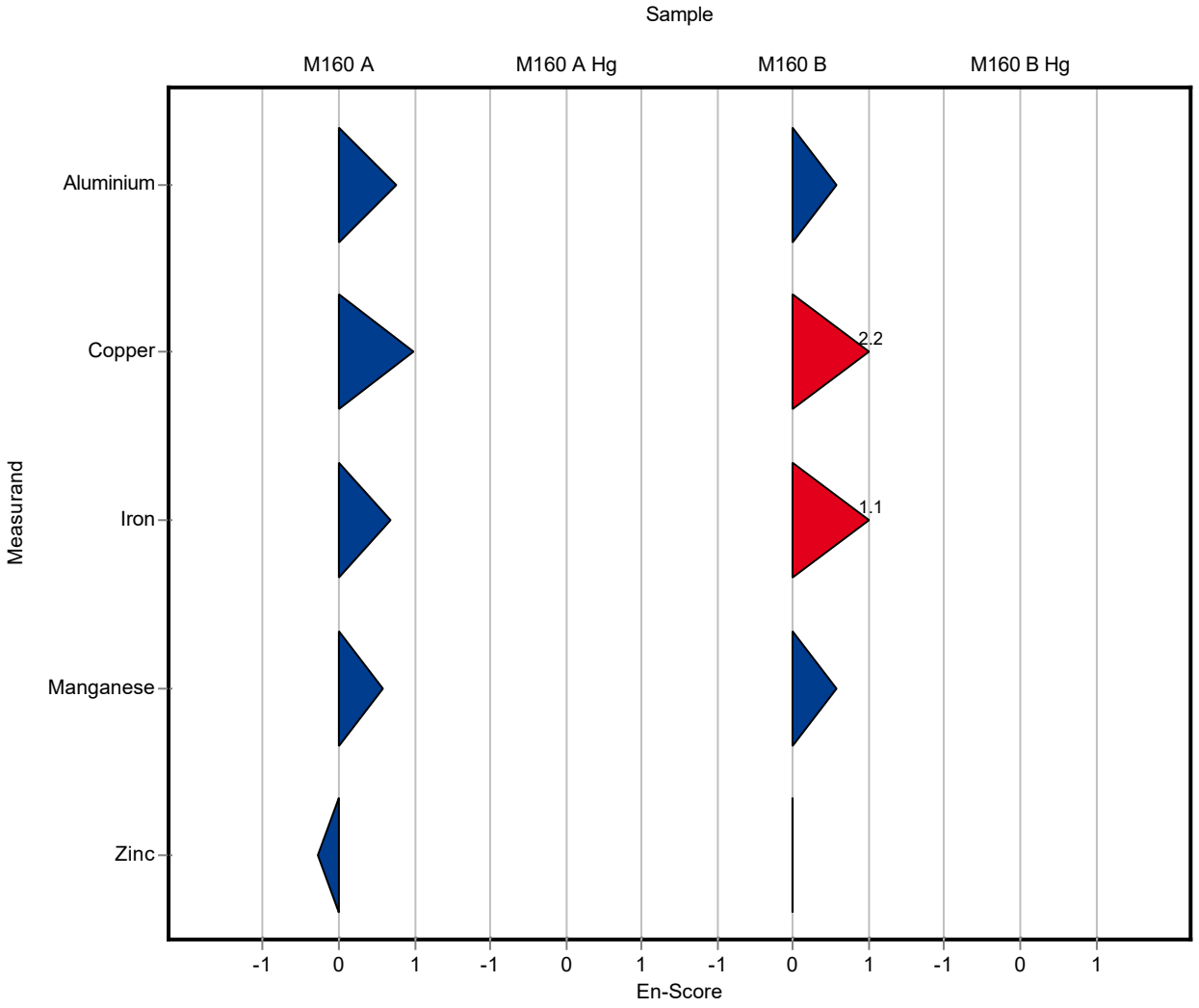
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	105 ± 2.25	110 ± 4	15.8	105	0.58
Arsenic	µg/l	5.66 ± 0.136	- ± -	0.736	-	-
Cadmium	µg/l	3.67 ± 0.0564	- ± -	0.367	-	-
Chromium	µg/l	2.21 ± 0.0559	- ± -	0.188	-	-
Copper	µg/l	60.4 ± 0.94	83 ± 5	5.44	137	2.25
Iron	µg/l	113 ± 1.78	122 ± 4	12.4	108	1.11
Lead	µg/l	2.69 ± 0.0583	- ± -	0.403	-	-
Manganese	µg/l	20.7 ± 0.331	23 ± 2	1.49	111	0.56
Nickel	µg/l	15.3 ± 0.317	- ± -	1.83	-	-

Summary of results Metals and trace elements M160 - En-Score Labcode: LC0011

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Selenium	µg/l	5.28 ± 0.126	- ± -	0.634	-	-
Uranium	µg/l	1.72 ± 0.0429	- ± -	0.113	-	-
Zinc	µg/l	138 ± 1.77	137.5 ± 10	12.4	99.9	-0.01

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	1.2 ± 0.0214	- ± -	0.168	-	-



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	36.3 ± 1.04	34.24 ± 3.86	5.45	94.3	-0.38
Arsenic	µg/l	2.34 ± 0.0752	2.61 ± 0.18	0.304	112	0.90
Cadmium	µg/l	0.517 ± 0.0112	0.5 ± 0.07	0.0517	96.7	-0.33
Chromium	µg/l	3.8 ± 0.0928	3.96 ± 0.4	0.323	104	0.48
Copper	µg/l	9.22 ± 0.241	9.81 ± 1.26	0.829	106	0.72
Iron	µg/l	54 ± 1.38	58.78 ± 5.98	5.94	109	0.80
Lead	µg/l	2.21 ± 0.0437	2.22 ± 0.03	0.332	100	0.03
Manganese	µg/l	30.1 ± 0.599	32.6 ± 3.33	2.17	108	1.13
Nickel	µg/l	5.18 ± 0.152	5.44 ± 0.35	0.622	105	0.41
Selenium	µg/l	2.19 ± 0.0565	- ± -	0.262	-	-
Uranium	µg/l	3.49 ± 0.113	- ± -	0.231	-	-
Zinc	µg/l	88.5 ± 1.55	99.32 ± 10.66	7.97	112	1.35

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	0.944 ± 0.0244	- ± -	0.132	-	-

Sample: M160B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	105 ± 2.25	106.66 ± 11.73	15.8	101	0.09
Arsenic	µg/l	5.66 ± 0.136	6.41 ± 0.44	0.736	113	1.02
Cadmium	µg/l	3.67 ± 0.0564	4.04 ± 0.59	0.367	110	1.00
Chromium	µg/l	2.21 ± 0.0559	2.06 ± 0.21	0.188	93.3	-0.79
Copper	µg/l	60.4 ± 0.94	65.07 ± 8.37	5.44	108	0.86
Iron	µg/l	113 ± 1.78	115.73 ± 11.78	12.4	102	0.23
Lead	µg/l	2.69 ± 0.0583	2.74 ± 0.35	0.403	102	0.13
Manganese	µg/l	20.7 ± 0.331	21.75 ± 2.22	1.49	105	0.67
Nickel	µg/l	15.3 ± 0.317	16.05 ± 1.02	1.83	105	0.42
Selenium	µg/l	5.28 ± 0.126	- ± -	0.634	-	-

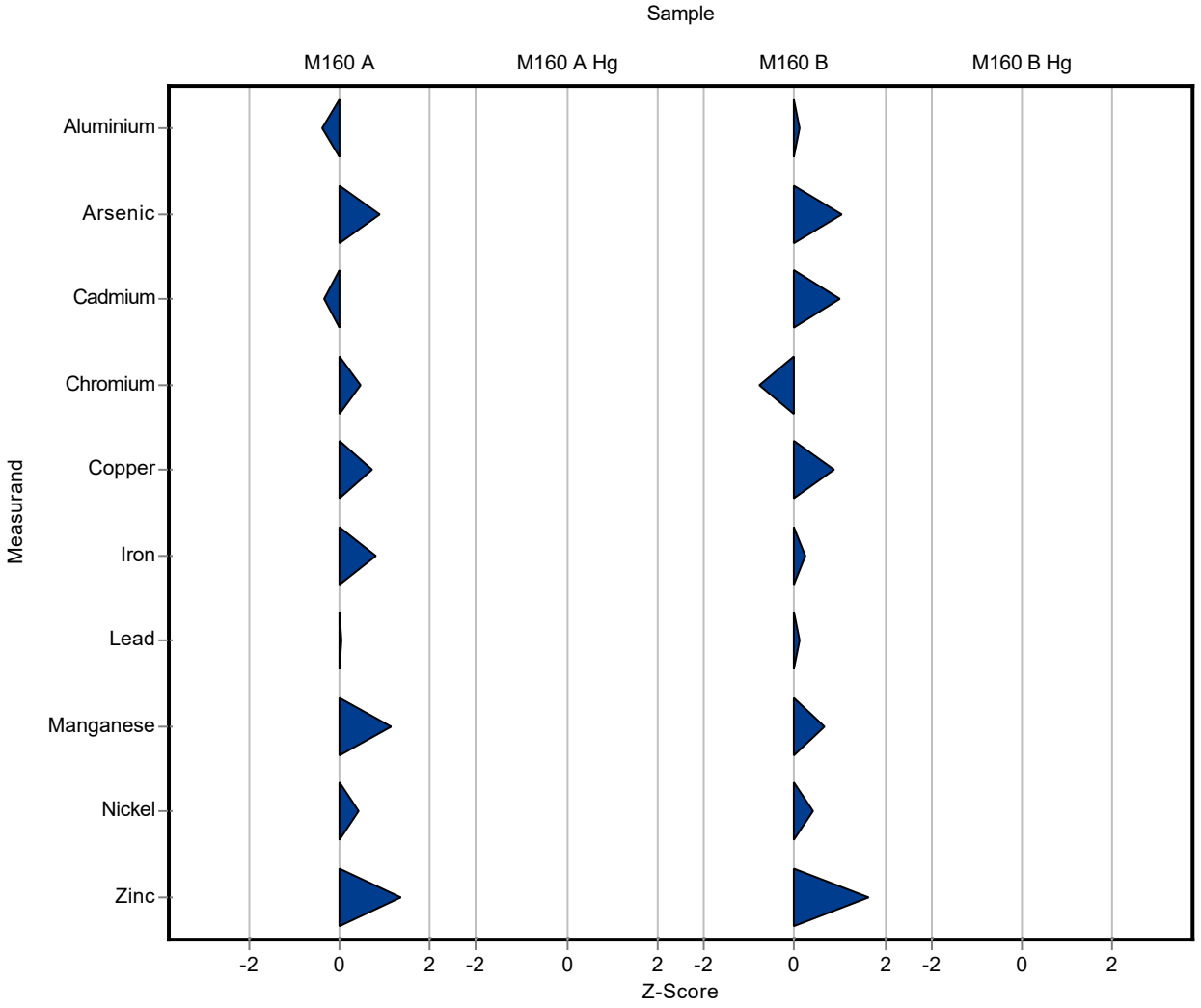
Summary of results Metals and trace elements M160

Labcode: LC0012

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Uranium	µg/l	1.72 ± 0.0429	- ± -	0.113	-	-
Zinc	µg/l	138 ± 1.77	157.83 ± 16.94	12.4	115	1.63

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	1.2 ± 0.0214	- ± -	0.168	-	-



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	36.3 ± 1.04	34.24 ± 3.86	5.45	94.3	-0.27
Arsenic	µg/l	2.34 ± 0.0752	2.61 ± 0.18	0.304	112	0.74
Cadmium	µg/l	0.517 ± 0.0112	0.5 ± 0.07	0.0517	96.7	-0.12
Chromium	µg/l	3.8 ± 0.0928	3.96 ± 0.4	0.323	104	0.19
Copper	µg/l	9.22 ± 0.241	9.81 ± 1.26	0.829	106	0.23
Iron	µg/l	54 ± 1.38	58.78 ± 5.98	5.94	109	0.40
Lead	µg/l	2.21 ± 0.0437	2.22 ± 0.03	0.332	100	0.12
Manganese	µg/l	30.1 ± 0.599	32.6 ± 3.33	2.17	108	0.37
Nickel	µg/l	5.18 ± 0.152	5.44 ± 0.35	0.622	105	0.36
Selenium	µg/l	2.19 ± 0.0565	- ± -	0.262	-	-
Uranium	µg/l	3.49 ± 0.113	- ± -	0.231	-	-
Zinc	µg/l	88.5 ± 1.55	99.32 ± 10.66	7.97	112	0.51

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	0.944 ± 0.0244	- ± -	0.132	-	-

Sample: M160B

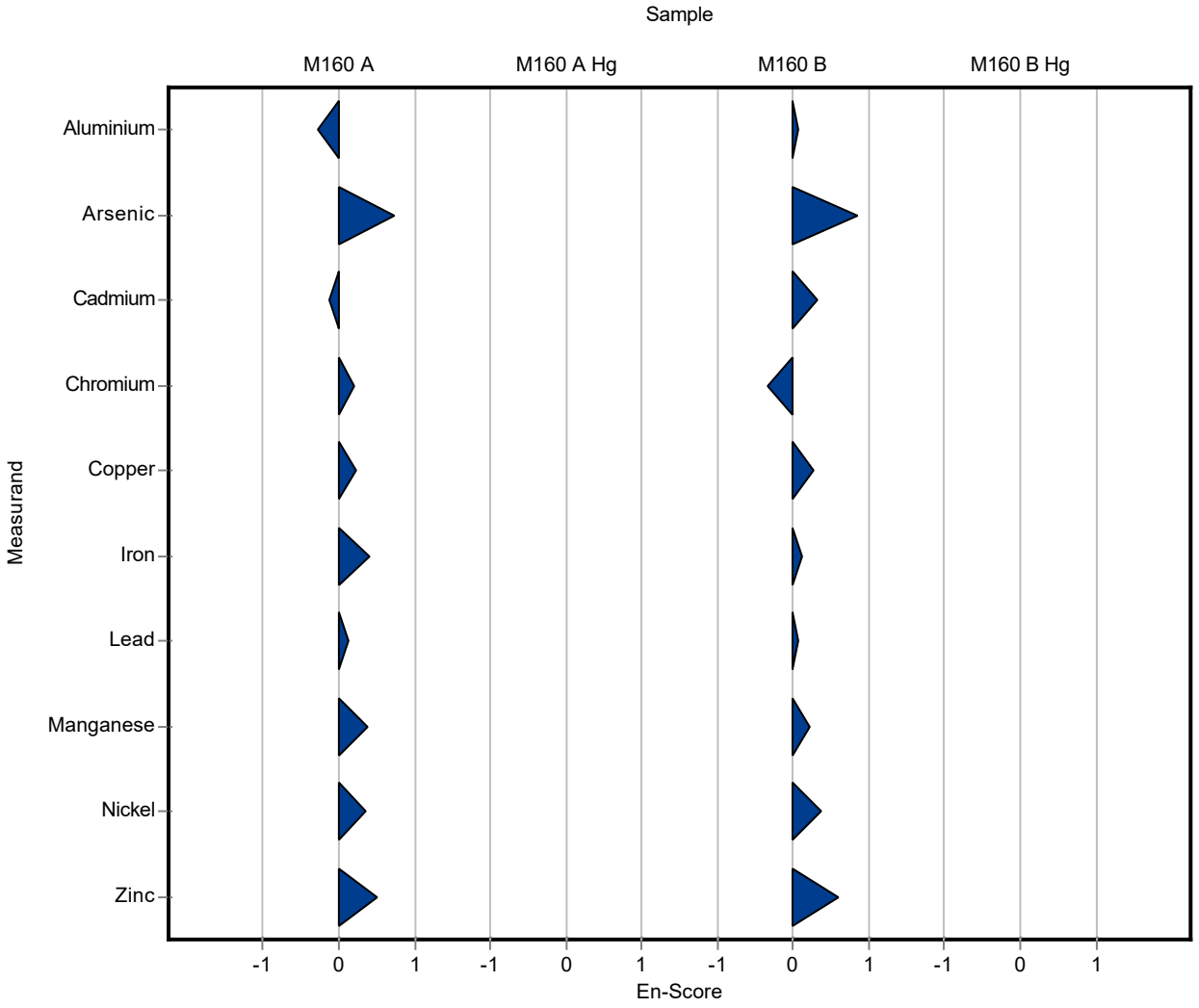
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	105 ± 2.25	106.66 ± 11.73	15.8	101	0.06
Arsenic	µg/l	5.66 ± 0.136	6.41 ± 0.44	0.736	113	0.84
Cadmium	µg/l	3.67 ± 0.0564	4.04 ± 0.59	0.367	110	0.31
Chromium	µg/l	2.21 ± 0.0559	2.06 ± 0.21	0.188	93.3	-0.35
Copper	µg/l	60.4 ± 0.94	65.07 ± 8.37	5.44	108	0.28
Iron	µg/l	113 ± 1.78	115.73 ± 11.78	12.4	102	0.12
Lead	µg/l	2.69 ± 0.0583	2.74 ± 0.35	0.403	102	0.08
Manganese	µg/l	20.7 ± 0.331	21.75 ± 2.22	1.49	105	0.23
Nickel	µg/l	15.3 ± 0.317	16.05 ± 1.02	1.83	105	0.38

Summary of results Metals and trace elements M160 - En-Score Labcode: LC0012

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Selenium	µg/l	5.28 ± 0.126	- ± -	0.634	-	-
Uranium	µg/l	1.72 ± 0.0429	- ± -	0.113	-	-
Zinc	µg/l	138 ± 1.77	157.83 ± 16.94	12.4	115	0.59

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	1.2 ± 0.0214	- ± -	0.168	-	-



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	36.3 ± 1.04	40.1 ± 2.6	5.45	110	0.70
Arsenic	µg/l	2.34 ± 0.0752	2.5 ± 0.15	0.304	107	0.53
Cadmium	µg/l	0.517 ± 0.0112	0.531 ± 0.067	0.0517	103	0.27
Chromium	µg/l	3.8 ± 0.0928	5.78 ± 0.21	0.323	152	6.11
Copper	µg/l	9.22 ± 0.241	9.17 ± 0.88	0.829	99.5	-0.06
Iron	µg/l	54 ± 1.38	68.9 ± 2.1	5.94	128	2.50
Lead	µg/l	2.21 ± 0.0437	2.34 ± 0.28	0.332	106	0.39
Manganese	µg/l	30.1 ± 0.599	32.1 ± 0.99	2.17	107	0.90
Nickel	µg/l	5.18 ± 0.152	7.13 ± 0.58	0.622	138	3.13
Selenium	µg/l	2.19 ± 0.0565	2.15 ± 0.073	0.262	98.4	-0.14
Uranium	µg/l	3.49 ± 0.113	3.12 ± 0.38	0.231	89.3	-1.62
Zinc	µg/l	88.5 ± 1.55	87.9 ± 14	7.97	99.3	-0.08

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	0.944 ± 0.0244	0.937 ± 0.019	0.132	99.3	-0.05

Sample: M160B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	105 ± 2.25	111 ± 7.1	15.8	106	0.37
Arsenic	µg/l	5.66 ± 0.136	5.93 ± 0.35	0.736	105	0.37
Cadmium	µg/l	3.67 ± 0.0564	3.75 ± 0.47	0.367	102	0.21
Chromium	µg/l	2.21 ± 0.0559	2.26 ± 0.084	0.188	102	0.28
Copper	µg/l	60.4 ± 0.94	58.2 ± 5.6	5.44	96.4	-0.41
Iron	µg/l	113 ± 1.78	121 ± 3.6	12.4	107	0.65
Lead	µg/l	2.69 ± 0.0583	2.81 ± 0.33	0.403	105	0.31
Manganese	µg/l	20.7 ± 0.331	21.6 ± 0.67	1.49	104	0.57
Nickel	µg/l	15.3 ± 0.317	15.6 ± 1.3	1.83	102	0.18
Selenium	µg/l	5.28 ± 0.126	5.2 ± 0.18	0.634	98.5	-0.13

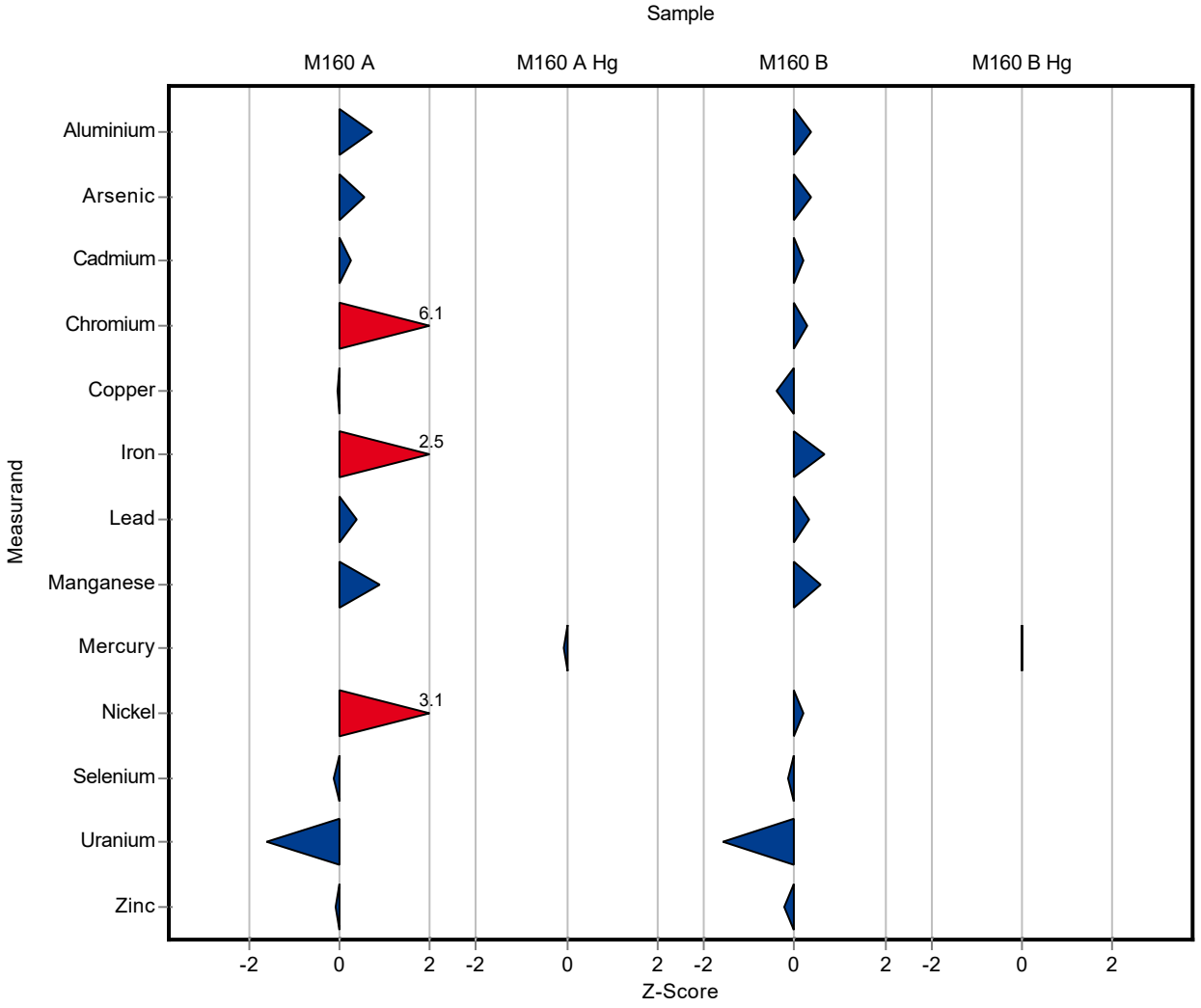
Summary of results Metals and trace elements M160

Labcode: LC0013

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Uranium	µg/l	1.72 ± 0.0429	1.54 ± 0.19	0.113	89.7	-1.56
Zinc	µg/l	138 ± 1.77	135 ± 21	12.4	98	-0.22

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	1.2 ± 0.0214	1.2 ± 0.024	0.168	100	0.01



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	36.3 ± 1.04	40.1 ± 2.6	5.45	110	0.71
Arsenic	µg/l	2.34 ± 0.0752	2.5 ± 0.15	0.304	107	0.53
Cadmium	µg/l	0.517 ± 0.0112	0.531 ± 0.067	0.0517	103	0.10
Chromium	µg/l	3.8 ± 0.0928	5.78 ± 0.21	0.323	152	4.59
Copper	µg/l	9.22 ± 0.241	9.17 ± 0.88	0.829	99.5	-0.03
Iron	µg/l	54 ± 1.38	68.9 ± 2.1	5.94	128	3.36
Lead	µg/l	2.21 ± 0.0437	2.34 ± 0.28	0.332	106	0.23
Manganese	µg/l	30.1 ± 0.599	32.1 ± 0.99	2.17	107	0.95
Nickel	µg/l	5.18 ± 0.152	7.13 ± 0.58	0.622	138	1.66
Selenium	µg/l	2.19 ± 0.0565	2.15 ± 0.073	0.262	98.4	-0.23
Uranium	µg/l	3.49 ± 0.113	3.12 ± 0.38	0.231	89.3	-0.48
Zinc	µg/l	88.5 ± 1.55	87.9 ± 14	7.97	99.3	-0.02

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	0.944 ± 0.0244	0.937 ± 0.019	0.132	99.3	-0.15

Sample: M160B

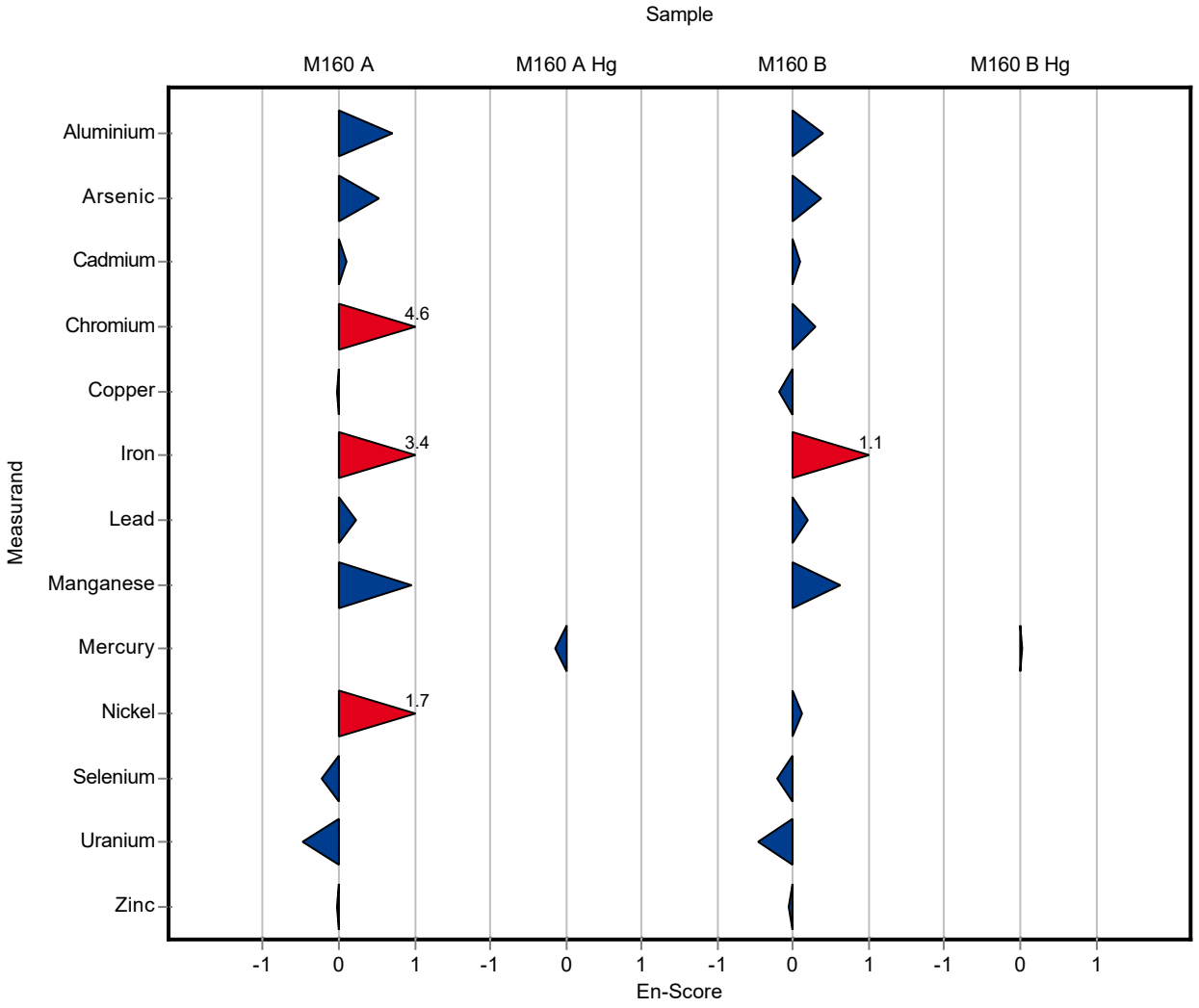
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	105 ± 2.25	111 ± 7.1	15.8	106	0.41
Arsenic	µg/l	5.66 ± 0.136	5.93 ± 0.35	0.736	105	0.38
Cadmium	µg/l	3.67 ± 0.0564	3.75 ± 0.47	0.367	102	0.08
Chromium	µg/l	2.21 ± 0.0559	2.26 ± 0.084	0.188	102	0.29
Copper	µg/l	60.4 ± 0.94	58.2 ± 5.6	5.44	96.4	-0.20
Iron	µg/l	113 ± 1.78	121 ± 3.6	12.4	107	1.09
Lead	µg/l	2.69 ± 0.0583	2.81 ± 0.33	0.403	105	0.19
Manganese	µg/l	20.7 ± 0.331	21.6 ± 0.67	1.49	104	0.62
Nickel	µg/l	15.3 ± 0.317	15.6 ± 1.3	1.83	102	0.12

Summary of results Metals and trace elements M160 - En-Score Labcode: LC0013

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Selenium	µg/l	5.28 ± 0.126	5.2 ± 0.18	0.634	98.5	-0.21
Uranium	µg/l	1.72 ± 0.0429	1.54 ± 0.19	0.113	89.7	-0.46
Zinc	µg/l	138 ± 1.77	135 ± 21	12.4	98	-0.06

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	1.2 ± 0.0214	1.2 ± 0.024	0.168	100	0.02



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	36.3 ± 1.04	- ± -	5.45	-	-
Arsenic	µg/l	2.34 ± 0.0752	- ± -	0.304	-	-
Cadmium	µg/l	0.517 ± 0.0112	0.4371 ± 0.0542	0.0517	84.6	-1.54
Chromium	µg/l	3.8 ± 0.0928	- ± -	0.323	-	-
Copper	µg/l	9.22 ± 0.241	9.2314 ± 0.9499	0.829	100	0.02
Iron	µg/l	54 ± 1.38	- ± -	5.94	-	-
Lead	µg/l	2.21 ± 0.0437	- ± -	0.332	-	-
Manganese	µg/l	30.1 ± 0.599	- ± -	2.17	-	-
Nickel	µg/l	5.18 ± 0.152	- ± -	0.622	-	-
Selenium	µg/l	2.19 ± 0.0565	- ± -	0.262	-	-
Uranium	µg/l	3.49 ± 0.113	- ± -	0.231	-	-
Zinc	µg/l	88.5 ± 1.55	- ± -	7.97	-	-

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	0.944 ± 0.0244	- ± -	0.132	-	-

Sample: M160B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	105 ± 2.25	- ± -	15.8	-	-
Arsenic	µg/l	5.66 ± 0.136	- ± -	0.736	-	-
Cadmium	µg/l	3.67 ± 0.0564	3.6375 ± 0.4514	0.367	99	-0.10
Chromium	µg/l	2.21 ± 0.0559	- ± -	0.188	-	-
Copper	µg/l	60.4 ± 0.94	60.777 ± 6.2539	5.44	101	0.07
Iron	µg/l	113 ± 1.78	- ± -	12.4	-	-
Lead	µg/l	2.69 ± 0.0583	- ± -	0.403	-	-
Manganese	µg/l	20.7 ± 0.331	- ± -	1.49	-	-
Nickel	µg/l	15.3 ± 0.317	- ± -	1.83	-	-
Selenium	µg/l	5.28 ± 0.126	- ± -	0.634	-	-

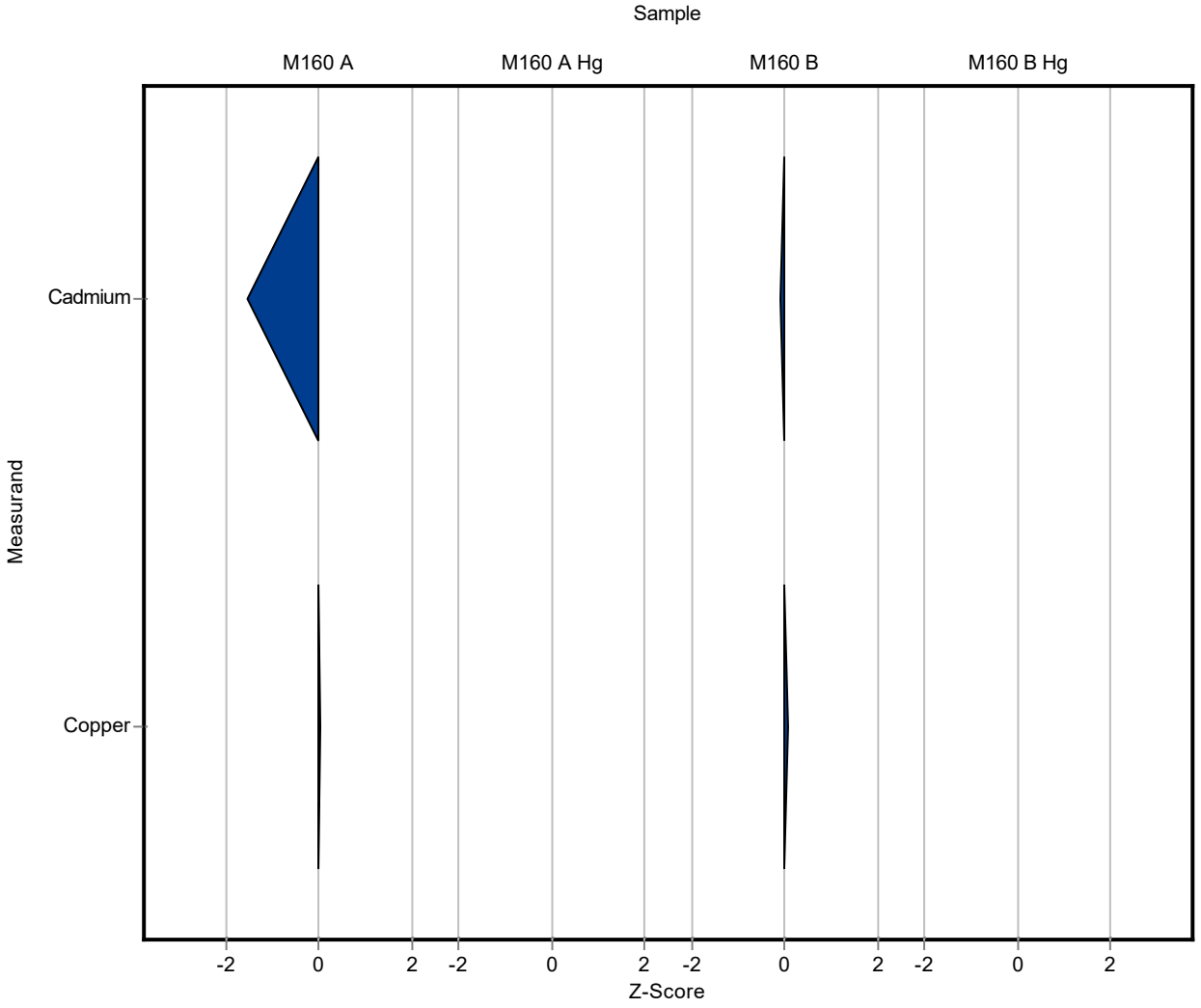
Summary of results Metals and trace elements M160

Labcode: LC0014

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Uranium	µg/l	1.72 ± 0.0429	- ± -	0.113	-	-
Zinc	µg/l	138 ± 1.77	- ± -	12.4	-	-

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	1.2 ± 0.0214	- ± -	0.168	-	-



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	36.3 ± 1.04	- ± -	5.45	-	-
Arsenic	µg/l	2.34 ± 0.0752	- ± -	0.304	-	-
Cadmium	µg/l	0.517 ± 0.0112	0.4371 ± 0.0542	0.0517	84.6	-0.73
Chromium	µg/l	3.8 ± 0.0928	- ± -	0.323	-	-
Copper	µg/l	9.22 ± 0.241	9.2314 ± 0.9499	0.829	100	0.01
Iron	µg/l	54 ± 1.38	- ± -	5.94	-	-
Lead	µg/l	2.21 ± 0.0437	- ± -	0.332	-	-
Manganese	µg/l	30.1 ± 0.599	- ± -	2.17	-	-
Nickel	µg/l	5.18 ± 0.152	- ± -	0.622	-	-
Selenium	µg/l	2.19 ± 0.0565	- ± -	0.262	-	-
Uranium	µg/l	3.49 ± 0.113	- ± -	0.231	-	-
Zinc	µg/l	88.5 ± 1.55	- ± -	7.97	-	-

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	0.944 ± 0.0244	- ± -	0.132	-	-

Sample: M160B

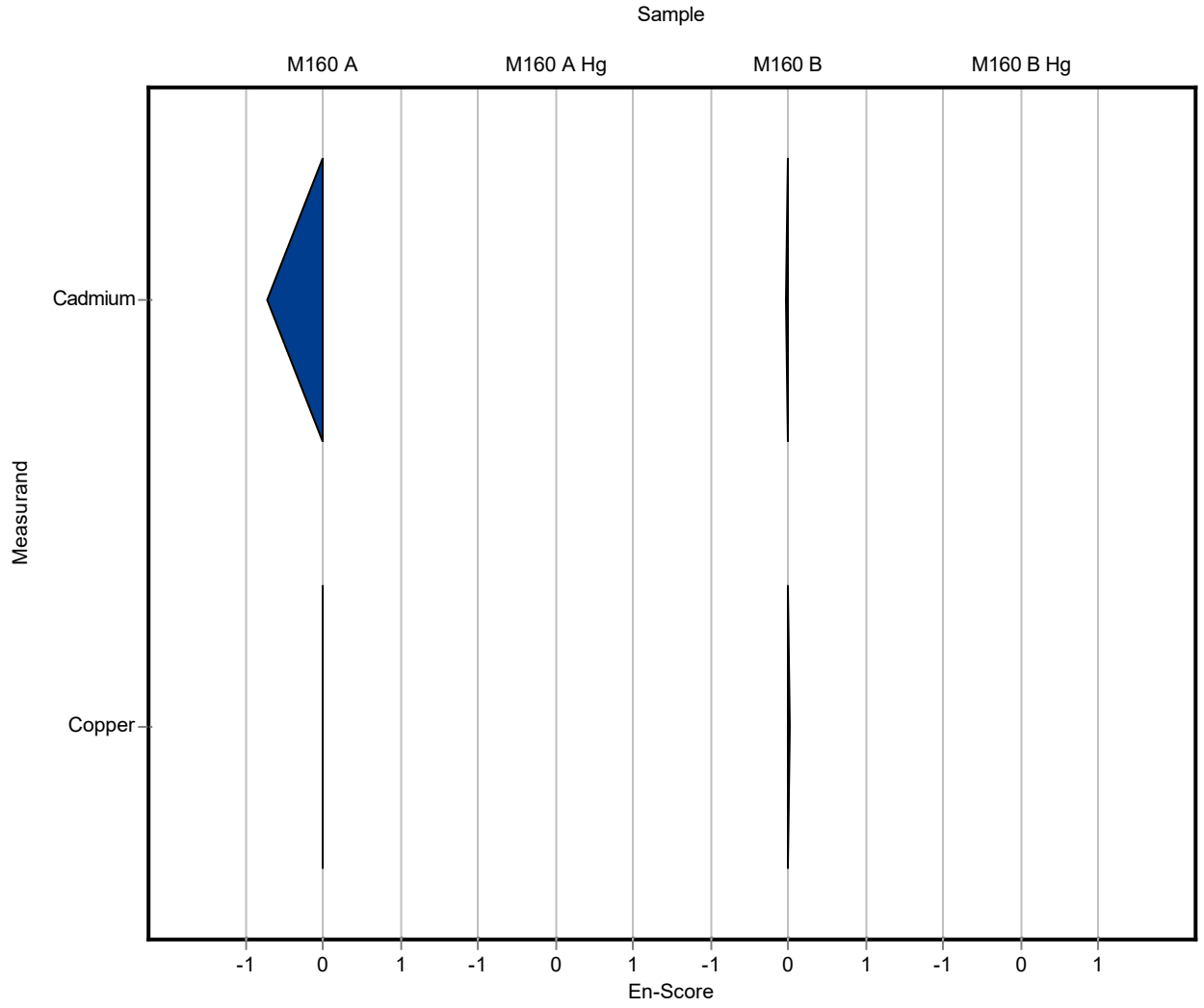
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	105 ± 2.25	- ± -	15.8	-	-
Arsenic	µg/l	5.66 ± 0.136	- ± -	0.736	-	-
Cadmium	µg/l	3.67 ± 0.0564	3.6375 ± 0.4514	0.367	99	-0.04
Chromium	µg/l	2.21 ± 0.0559	- ± -	0.188	-	-
Copper	µg/l	60.4 ± 0.94	60.777 ± 6.2539	5.44	101	0.03
Iron	µg/l	113 ± 1.78	- ± -	12.4	-	-
Lead	µg/l	2.69 ± 0.0583	- ± -	0.403	-	-
Manganese	µg/l	20.7 ± 0.331	- ± -	1.49	-	-
Nickel	µg/l	15.3 ± 0.317	- ± -	1.83	-	-

Summary of results Metals and trace elements M160 - En-Score Labcode: LC0014

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Selenium	µg/l	5.28 ± 0.126	- ± -	0.634	-	-
Uranium	µg/l	1.72 ± 0.0429	- ± -	0.113	-	-
Zinc	µg/l	138 ± 1.77	- ± -	12.4	-	-

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	1.2 ± 0.0214	- ± -	0.168	-	-



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	36.3 ± 1.04	16.6 ± 0.9	5.45	45.7	-3.62
Arsenic	µg/l	2.34 ± 0.0752	2.23 ± 0.17	0.304	95.4	-0.35
Cadmium	µg/l	0.517 ± 0.0112	0.65 ± 0.03	0.0517	126	2.58
Chromium	µg/l	3.8 ± 0.0928	4.65 ± 0.93	0.323	122	2.62
Copper	µg/l	9.22 ± 0.241	10.7 ± 0.5	0.829	116	1.79
Iron	µg/l	54 ± 1.38	53.7 ± 3.2	5.94	99.4	-0.06
Lead	µg/l	2.21 ± 0.0437	2.11 ± 0.1	0.332	95.4	-0.30
Manganese	µg/l	30.1 ± 0.599	28.9 ± 0.9	2.17	95.9	-0.57
Nickel	µg/l	5.18 ± 0.152	6.26 ± 0.52	0.622	121	1.73
Selenium	µg/l	2.19 ± 0.0565	<0.02 (LOD) ± -	0.262	-	-
Uranium	µg/l	3.49 ± 0.113	- ± -	0.231	-	-
Zinc	µg/l	88.5 ± 1.55	97.5 ± 3.2	7.97	110	1.13

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	0.944 ± 0.0244	0.95 ± 0.01	0.132	101	0.05

Sample: M160B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	105 ± 2.25	96.7 ± 1.1	15.8	91.9	-0.54
Arsenic	µg/l	5.66 ± 0.136	4.51 ± 0.18	0.736	79.7	-1.56
Cadmium	µg/l	3.67 ± 0.0564	3.73 ± 0.05	0.367	102	0.15
Chromium	µg/l	2.21 ± 0.0559	2.5 ± 0.2	0.188	113	1.56
Copper	µg/l	60.4 ± 0.94	64.7 ± 0.6	5.44	107	0.79
Iron	µg/l	113 ± 1.78	119 ± 10	12.4	105	0.49
Lead	µg/l	2.69 ± 0.0583	2.16 ± 0.06	0.403	80.4	-1.31
Manganese	µg/l	20.7 ± 0.331	20.4 ± 0.2	1.49	98.3	-0.23
Nickel	µg/l	15.3 ± 0.317	16.2 ± 0.2	1.83	106	0.51
Selenium	µg/l	5.28 ± 0.126	4.65 ± 0.09	0.634	88	-1.00

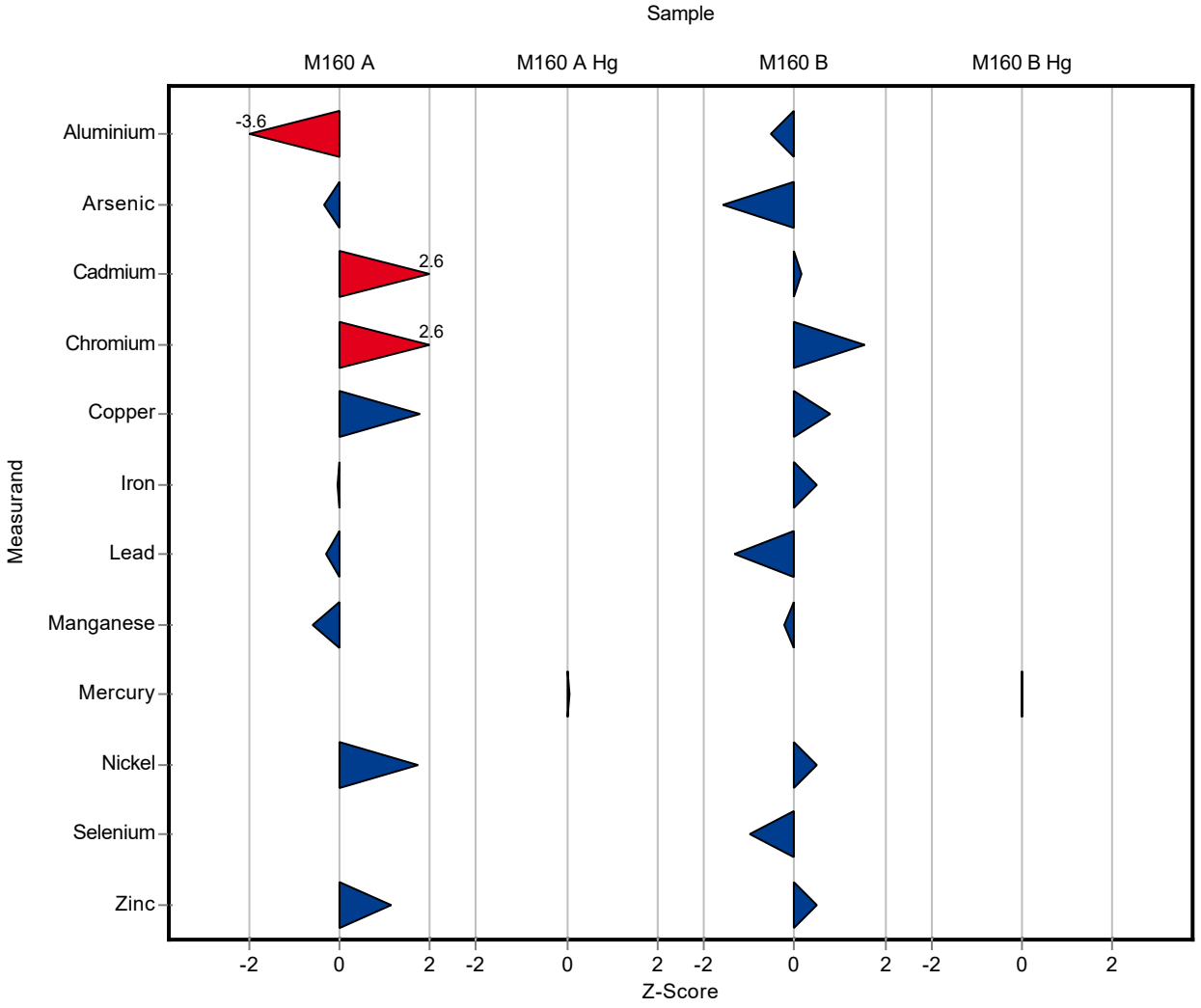
Summary of results Metals and trace elements M160

Labcode: LC0015

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Uranium	µg/l	1.72 ± 0.0429	- ± -	0.113	-	-
Zinc	µg/l	138 ± 1.77	144 ± 1	12.4	105	0.51

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	1.2 ± 0.0214	1.2 ± 0.01	0.168	100	0.01



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	36.3 ± 1.04	16.6 ± 0.9	5.45	45.7	-9.47
Arsenic	µg/l	2.34 ± 0.0752	2.23 ± 0.17	0.304	95.4	-0.31
Cadmium	µg/l	0.517 ± 0.0112	0.65 ± 0.03	0.0517	126	2.18
Chromium	µg/l	3.8 ± 0.0928	4.65 ± 0.93	0.323	122	0.45
Copper	µg/l	9.22 ± 0.241	10.7 ± 0.5	0.829	116	1.44
Iron	µg/l	54 ± 1.38	53.7 ± 3.2	5.94	99.4	-0.05
Lead	µg/l	2.21 ± 0.0437	2.11 ± 0.1	0.332	95.4	-0.49
Manganese	µg/l	30.1 ± 0.599	28.9 ± 0.9	2.17	95.9	-0.65
Nickel	µg/l	5.18 ± 0.152	6.26 ± 0.52	0.622	121	1.02
Selenium	µg/l	2.19 ± 0.0565	<0.02 (LOD) ± -	0.262	-	-
Uranium	µg/l	3.49 ± 0.113	- ± -	0.231	-	-
Zinc	µg/l	88.5 ± 1.55	97.5 ± 3.2	7.97	110	1.36

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	0.944 ± 0.0244	0.95 ± 0.01	0.132	101	0.20

Sample: M160B

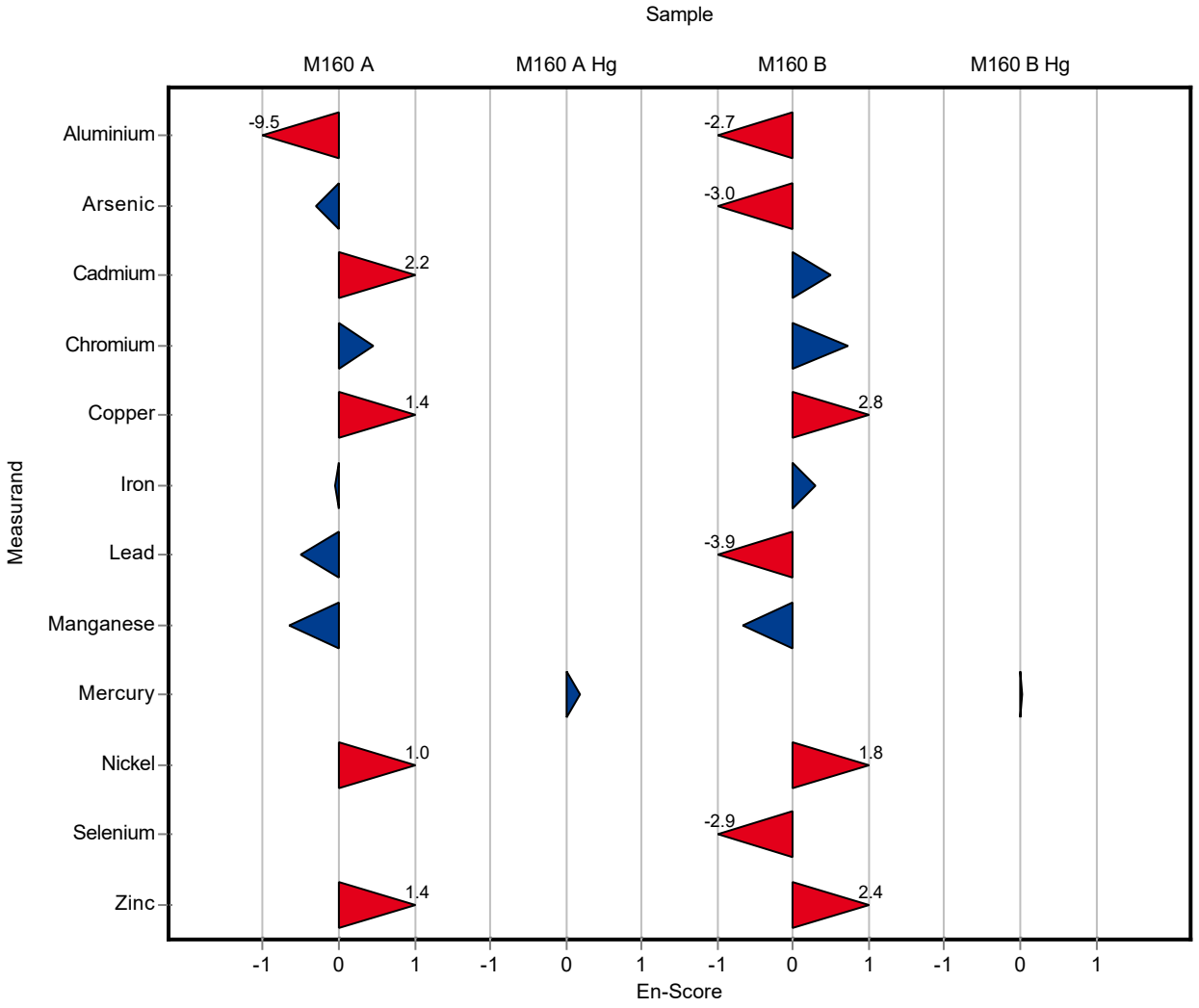
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	105 ± 2.25	96.7 ± 1.1	15.8	91.9	-2.70
Arsenic	µg/l	5.66 ± 0.136	4.51 ± 0.18	0.736	79.7	-2.99
Cadmium	µg/l	3.67 ± 0.0564	3.73 ± 0.05	0.367	102	0.50
Chromium	µg/l	2.21 ± 0.0559	2.5 ± 0.2	0.188	113	0.72
Copper	µg/l	60.4 ± 0.94	64.7 ± 0.6	5.44	107	2.82
Iron	µg/l	113 ± 1.78	119 ± 10	12.4	105	0.30
Lead	µg/l	2.69 ± 0.0583	2.16 ± 0.06	0.403	80.4	-3.95
Manganese	µg/l	20.7 ± 0.331	20.4 ± 0.2	1.49	98.3	-0.67
Nickel	µg/l	15.3 ± 0.317	16.2 ± 0.2	1.83	106	1.81

Summary of results Metals and trace elements M160 - En-Score Labcode: LC0015

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Selenium	µg/l	5.28 ± 0.126	4.65 ± 0.09	0.634	88	-2.88
Uranium	µg/l	1.72 ± 0.0429	- ± -	0.113	-	-
Zinc	µg/l	138 ± 1.77	144 ± 1	12.4	105	2.36

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	1.2 ± 0.0214	1.2 ± 0.01	0.168	100	0.04



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	36.3 ± 1.04	40 ± 4	5.45	110	0.68
Arsenic	µg/l	2.34 ± 0.0752	2.39 ± 0.24	0.304	102	0.17
Cadmium	µg/l	0.517 ± 0.0112	0.499 ± 0.05	0.0517	96.5	-0.35
Chromium	µg/l	3.8 ± 0.0928	3.72 ± 0.37	0.323	97.8	-0.26
Copper	µg/l	9.22 ± 0.241	8.66 ± 0.87	0.829	94	-0.67
Iron	µg/l	54 ± 1.38	55.4 ± 5.5	5.94	103	0.23
Lead	µg/l	2.21 ± 0.0437	2.12 ± 0.21	0.332	95.9	-0.28
Manganese	µg/l	30.1 ± 0.599	30 ± 3	2.17	99.5	-0.06
Nickel	µg/l	5.18 ± 0.152	5.1 ± 0.51	0.622	98.4	-0.14
Selenium	µg/l	2.19 ± 0.0565	2.15 ± 0.22	0.262	98.4	-0.14
Uranium	µg/l	3.49 ± 0.113	3.74 ± 0.37	0.231	107	1.07
Zinc	µg/l	88.5 ± 1.55	81.1 ± 8.1	7.97	91.6	-0.93

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	0.944 ± 0.0244	1 ± 0.1	0.132	106	0.42

Sample: M160B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	105 ± 2.25	109 ± 11	15.8	104	0.24
Arsenic	µg/l	5.66 ± 0.136	5.73 ± 0.57	0.736	101	0.10
Cadmium	µg/l	3.67 ± 0.0564	3.67 ± 0.37	0.367	99.9	-0.01
Chromium	µg/l	2.21 ± 0.0559	2.15 ± 0.22	0.188	97.4	-0.31
Copper	µg/l	60.4 ± 0.94	57 ± 5.7	5.44	94.4	-0.63
Iron	µg/l	113 ± 1.78	113 ± 11	12.4	100	0.01
Lead	µg/l	2.69 ± 0.0583	2.62 ± 0.26	0.403	97.5	-0.17
Manganese	µg/l	20.7 ± 0.331	20.7 ± 2.1	1.49	99.8	-0.03
Nickel	µg/l	15.3 ± 0.317	15.4 ± 1.5	1.83	101	0.07
Selenium	µg/l	5.28 ± 0.126	5.26 ± 0.53	0.634	99.6	-0.03

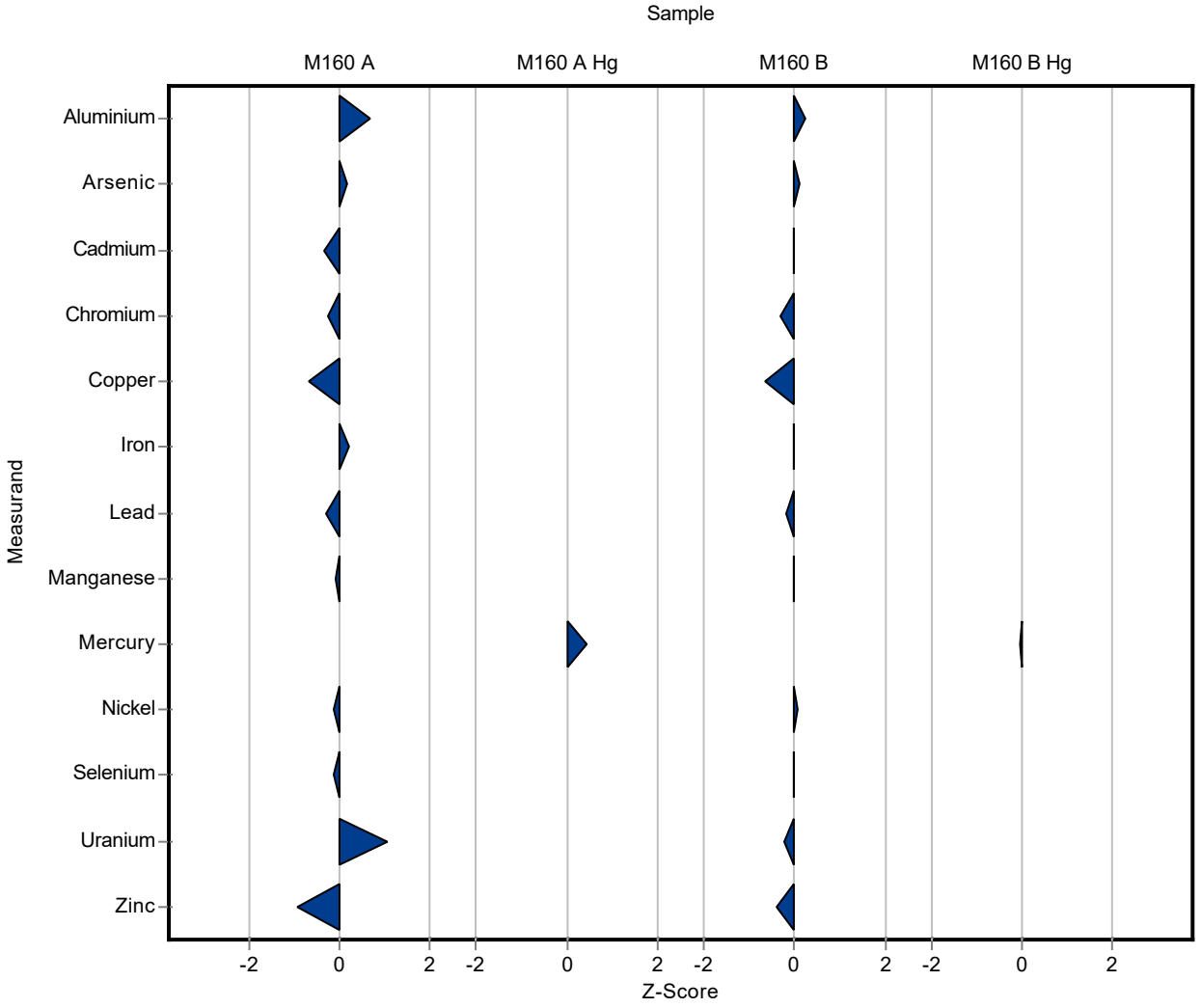
Summary of results Metals and trace elements M160

Labcode: LC0016

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Uranium	µg/l	1.72 ± 0.0429	1.69 ± 0.17	0.113	98.5	-0.23
Zinc	µg/l	138 ± 1.77	133 ± 13	12.4	96.6	-0.38

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	1.2 ± 0.0214	1.19 ± 0.12	0.168	99.3	-0.05



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	36.3 ± 1.04	40 ± 4	5.45	110	0.46
Arsenic	µg/l	2.34 ± 0.0752	2.39 ± 0.24	0.304	102	0.11
Cadmium	µg/l	0.517 ± 0.0112	0.499 ± 0.05	0.0517	96.5	-0.18
Chromium	µg/l	3.8 ± 0.0928	3.72 ± 0.37	0.323	97.8	-0.11
Copper	µg/l	9.22 ± 0.241	8.66 ± 0.87	0.829	94	-0.32
Iron	µg/l	54 ± 1.38	55.4 ± 5.5	5.94	103	0.12
Lead	µg/l	2.21 ± 0.0437	2.12 ± 0.21	0.332	95.9	-0.22
Manganese	µg/l	30.1 ± 0.599	30 ± 3	2.17	99.5	-0.02
Nickel	µg/l	5.18 ± 0.152	5.1 ± 0.51	0.622	98.4	-0.08
Selenium	µg/l	2.19 ± 0.0565	2.15 ± 0.22	0.262	98.4	-0.08
Uranium	µg/l	3.49 ± 0.113	3.74 ± 0.37	0.231	107	0.33
Zinc	µg/l	88.5 ± 1.55	81.1 ± 8.1	7.97	91.6	-0.46

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	0.944 ± 0.0244	1 ± 0.1	0.132	106	0.28

Sample: M160B

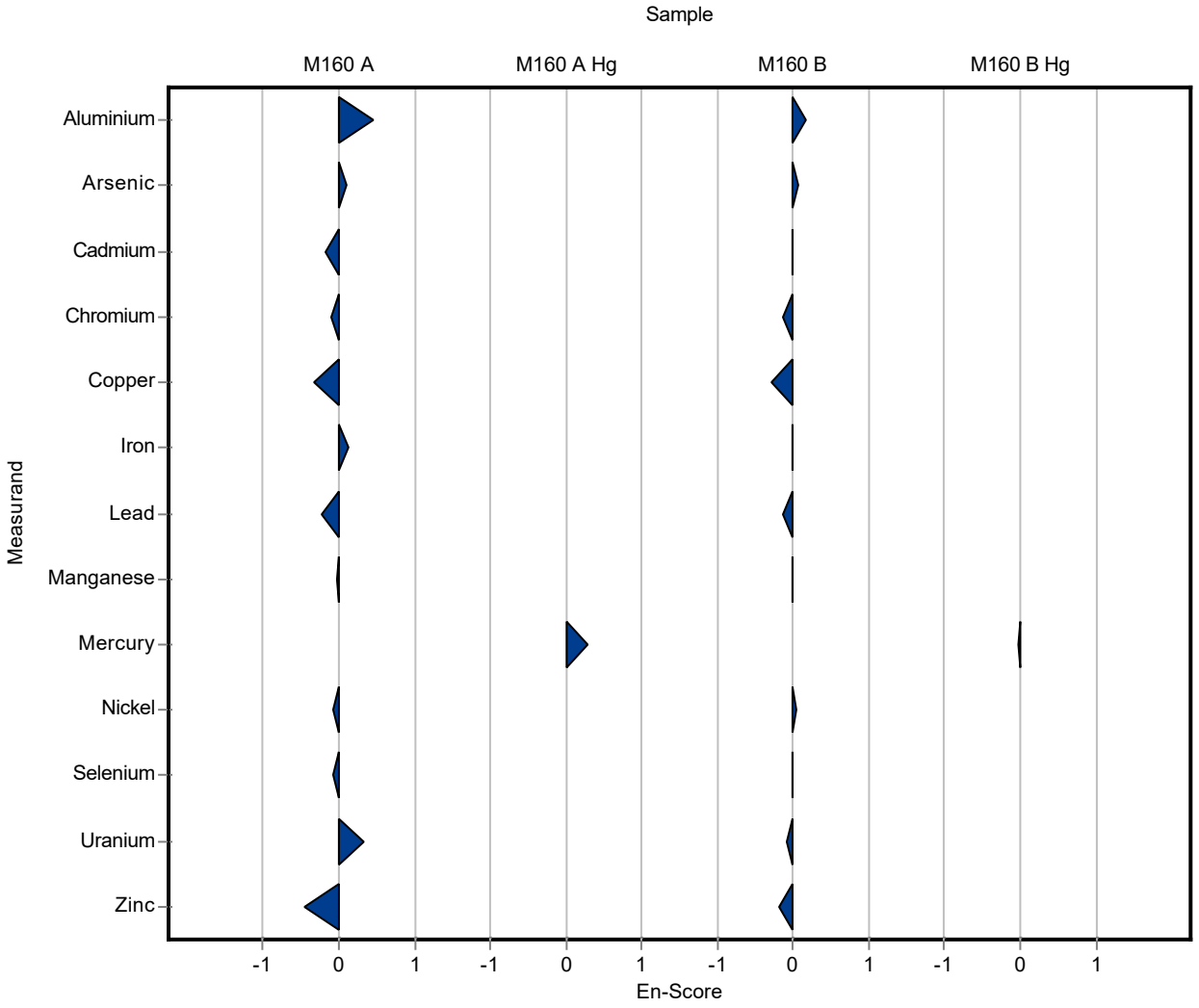
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	105 ± 2.25	109 ± 11	15.8	104	0.17
Arsenic	µg/l	5.66 ± 0.136	5.73 ± 0.57	0.736	101	0.06
Cadmium	µg/l	3.67 ± 0.0564	3.67 ± 0.37	0.367	99.9	0.00
Chromium	µg/l	2.21 ± 0.0559	2.15 ± 0.22	0.188	97.4	-0.13
Copper	µg/l	60.4 ± 0.94	57 ± 5.7	5.44	94.4	-0.30
Iron	µg/l	113 ± 1.78	113 ± 11	12.4	100	0.00
Lead	µg/l	2.69 ± 0.0583	2.62 ± 0.26	0.403	97.5	-0.13
Manganese	µg/l	20.7 ± 0.331	20.7 ± 2.1	1.49	99.8	-0.01
Nickel	µg/l	15.3 ± 0.317	15.4 ± 1.5	1.83	101	0.04

Summary of results Metals and trace elements M160 - En-Score Labcode: LC0016

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Selenium	µg/l	5.28 ± 0.126	5.26 ± 0.53	0.634	99.6	-0.02
Uranium	µg/l	1.72 ± 0.0429	1.69 ± 0.17	0.113	98.5	-0.08
Zinc	µg/l	138 ± 1.77	133 ± 13	12.4	96.6	-0.18

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	1.2 ± 0.0214	1.19 ± 0.12	0.168	99.3	-0.04



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	36.3 ± 1.04	34.2 ± 6.8	5.45	94.2	-0.39
Arsenic	µg/l	2.34 ± 0.0752	2.53 ± 0.51	0.304	108	0.63
Cadmium	µg/l	0.517 ± 0.0112	0.536 ± 0.107	0.0517	104	0.37
Chromium	µg/l	3.8 ± 0.0928	4.025 ± 0.805	0.323	106	0.68
Copper	µg/l	9.22 ± 0.241	9.88 ± 1.98	0.829	107	0.80
Iron	µg/l	54 ± 1.38	52.7 ± 10.5	5.94	97.5	-0.22
Lead	µg/l	2.21 ± 0.0437	2.17 ± 0.43	0.332	98.1	-0.12
Manganese	µg/l	30.1 ± 0.599	31.1 ± 6.2	2.17	103	0.44
Nickel	µg/l	5.18 ± 0.152	5.53 ± 1.11	0.622	107	0.56
Selenium	µg/l	2.19 ± 0.0565	2.44 ± 0.49	0.262	112	0.97
Uranium	µg/l	3.49 ± 0.113	3.57 ± 0.71	0.231	102	0.34
Zinc	µg/l	88.5 ± 1.55	92 ± 18.4	7.97	104	0.43

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	0.944 ± 0.0244	0.962 ± 0.192	0.132	102	0.14

Sample: M160B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	105 ± 2.25	104 ± 20	15.8	98.9	-0.07
Arsenic	µg/l	5.66 ± 0.136	6.4 ± 1.28	0.736	113	1.01
Cadmium	µg/l	3.67 ± 0.0564	3.75 ± 0.75	0.367	102	0.21
Chromium	µg/l	2.21 ± 0.0559	2.17 ± 0.43	0.188	98.3	-0.20
Copper	µg/l	60.4 ± 0.94	62.2 ± 12.4	5.44	103	0.33
Iron	µg/l	113 ± 1.78	107 ± 21	12.4	94.8	-0.48
Lead	µg/l	2.69 ± 0.0583	2.65 ± 0.53	0.403	98.6	-0.09
Manganese	µg/l	20.7 ± 0.331	21.8 ± 4.4	1.49	105	0.70
Nickel	µg/l	15.3 ± 0.317	16.6 ± 3.3	1.83	109	0.72
Selenium	µg/l	5.28 ± 0.126	6.11 ± 1.22	0.634	116	1.31

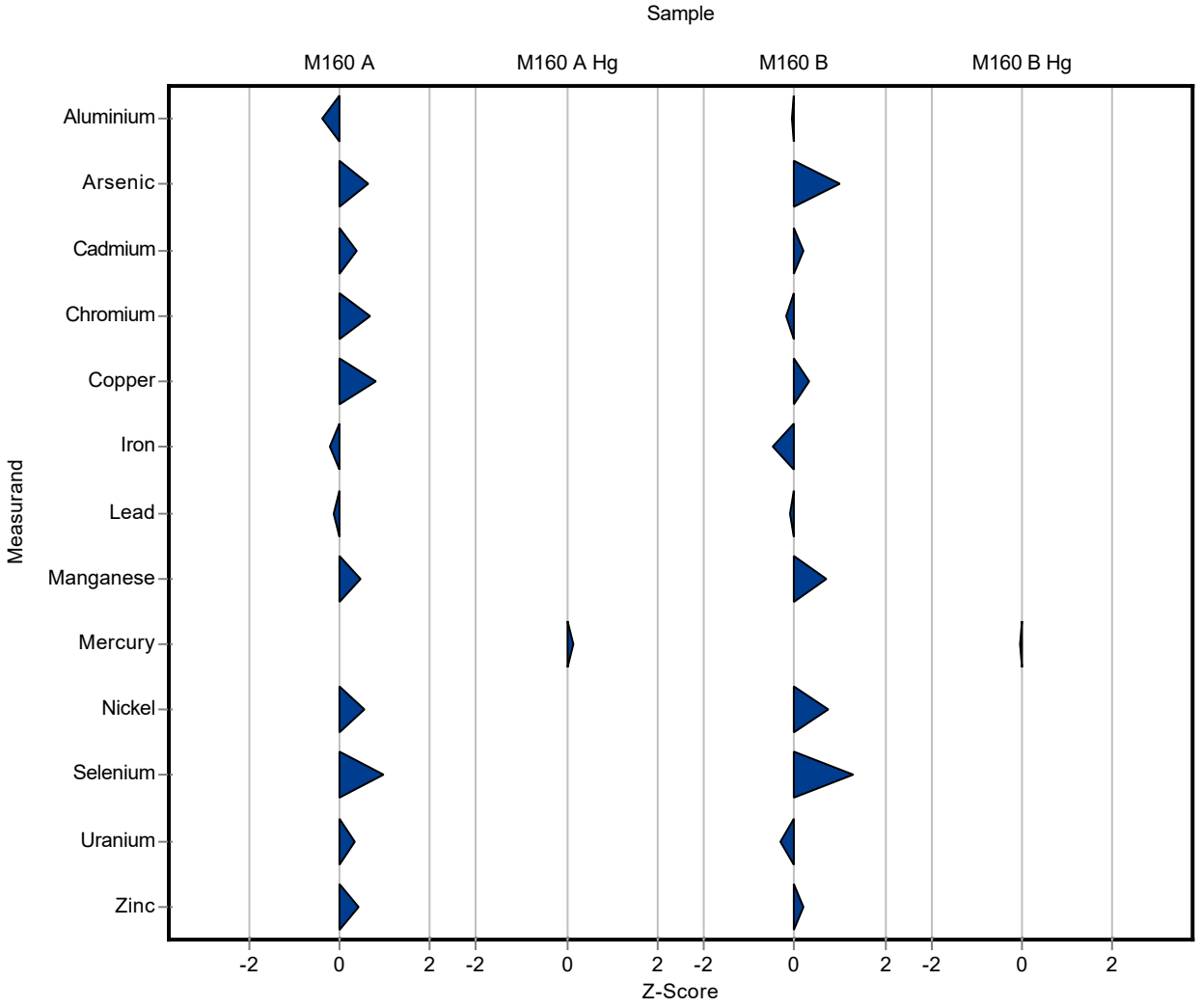
Summary of results Metals and trace elements M160

Labcode: LC0017

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Uranium	µg/l	1.72 ± 0.0429	1.68 ± 0.34	0.113	97.9	-0.32
Zinc	µg/l	138 ± 1.77	140 ± 28	12.4	102	0.19

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	1.2 ± 0.0214	1.19 ± 0.24	0.168	99.3	-0.05



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	36.3 ± 1.04	34.2 ± 6.8	5.45	94.2	-0.15
Arsenic	µg/l	2.34 ± 0.0752	2.53 ± 0.51	0.304	108	0.19
Cadmium	µg/l	0.517 ± 0.0112	0.536 ± 0.107	0.0517	104	0.09
Chromium	µg/l	3.8 ± 0.0928	4.025 ± 0.805	0.323	106	0.14
Copper	µg/l	9.22 ± 0.241	9.88 ± 1.98	0.829	107	0.17
Iron	µg/l	54 ± 1.38	52.7 ± 10.5	5.94	97.5	-0.06
Lead	µg/l	2.21 ± 0.0437	2.17 ± 0.43	0.332	98.1	-0.05
Manganese	µg/l	30.1 ± 0.599	31.1 ± 6.2	2.17	103	0.08
Nickel	µg/l	5.18 ± 0.152	5.53 ± 1.11	0.622	107	0.16
Selenium	µg/l	2.19 ± 0.0565	2.44 ± 0.49	0.262	112	0.26
Uranium	µg/l	3.49 ± 0.113	3.57 ± 0.71	0.231	102	0.05
Zinc	µg/l	88.5 ± 1.55	92 ± 18.4	7.97	104	0.09

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	0.944 ± 0.0244	0.962 ± 0.192	0.132	102	0.05

Sample: M160B

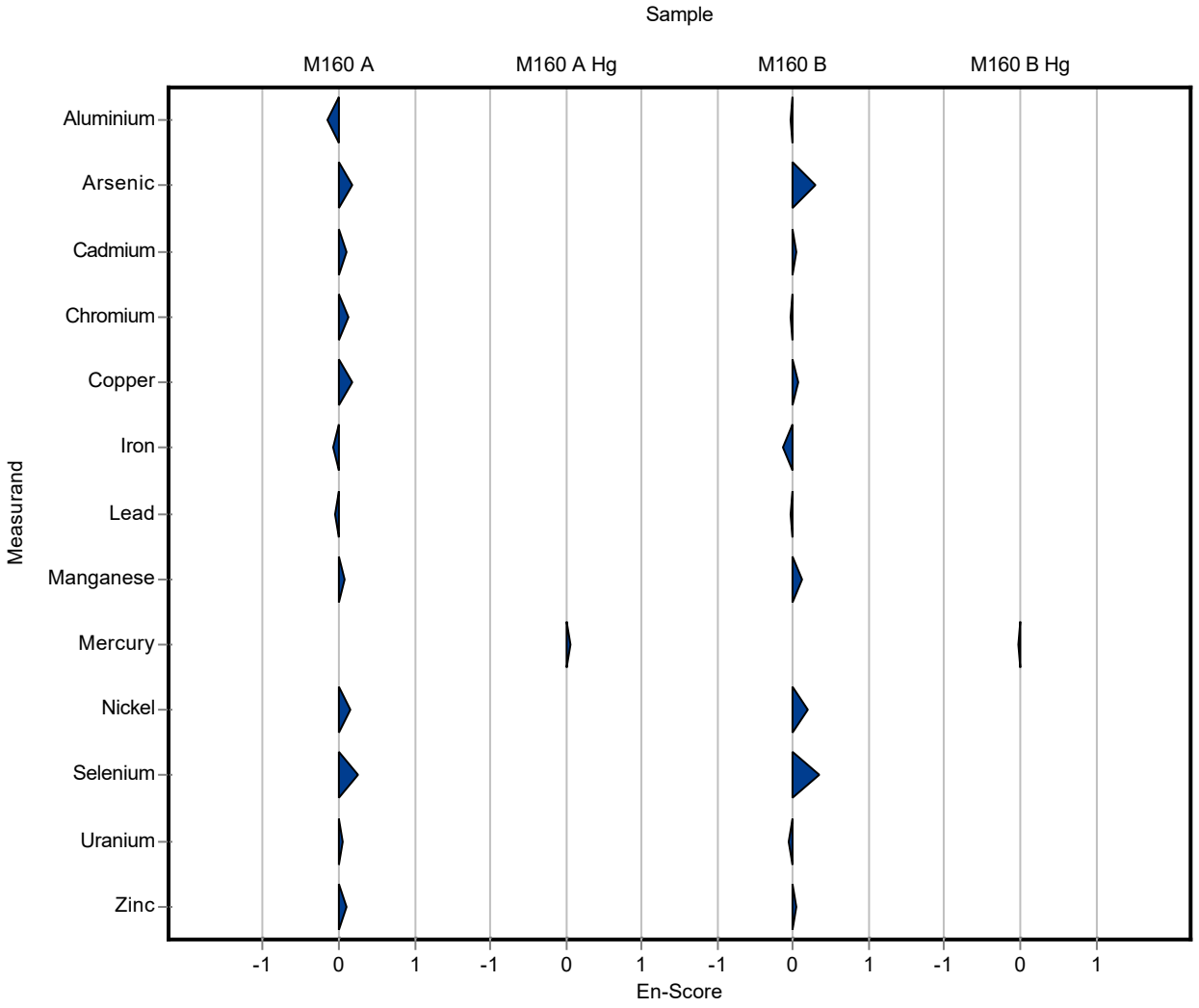
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	105 ± 2.25	104 ± 20	15.8	98.9	-0.03
Arsenic	µg/l	5.66 ± 0.136	6.4 ± 1.28	0.736	113	0.29
Cadmium	µg/l	3.67 ± 0.0564	3.75 ± 0.75	0.367	102	0.05
Chromium	µg/l	2.21 ± 0.0559	2.17 ± 0.43	0.188	98.3	-0.04
Copper	µg/l	60.4 ± 0.94	62.2 ± 12.4	5.44	103	0.07
Iron	µg/l	113 ± 1.78	107 ± 21	12.4	94.8	-0.14
Lead	µg/l	2.69 ± 0.0583	2.65 ± 0.53	0.403	98.6	-0.03
Manganese	µg/l	20.7 ± 0.331	21.8 ± 4.4	1.49	105	0.12
Nickel	µg/l	15.3 ± 0.317	16.6 ± 3.3	1.83	109	0.20

Summary of results Metals and trace elements M160 - En-Score Labcode: LC0017

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Selenium	µg/l	5.28 ± 0.126	6.11 ± 1.22	0.634	116	0.34
Uranium	µg/l	1.72 ± 0.0429	1.68 ± 0.34	0.113	97.9	-0.05
Zinc	µg/l	138 ± 1.77	140 ± 28	12.4	102	0.04

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	1.2 ± 0.0214	1.19 ± 0.24	0.168	99.3	-0.02



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	36.3 ± 1.04	38.02 ± 3.8	5.45	105	0.31
Arsenic	µg/l	2.34 ± 0.0752	2.222 ± 0.22	0.304	95	-0.38
Cadmium	µg/l	0.517 ± 0.0112	0.503 ± 0.05	0.0517	97.3	-0.27
Chromium	µg/l	3.8 ± 0.0928	3.729 ± 0.37	0.323	98	-0.23
Copper	µg/l	9.22 ± 0.241	9.11 ± 0.91	0.829	98.9	-0.13
Iron	µg/l	54 ± 1.38	52.42 ± 5.2	5.94	97	-0.27
Lead	µg/l	2.21 ± 0.0437	2.347 ± 0.24	0.332	106	0.41
Manganese	µg/l	30.1 ± 0.599	29.43 ± 2.9	2.17	97.7	-0.33
Nickel	µg/l	5.18 ± 0.152	5.037 ± 0.5	0.622	97.2	-0.24
Selenium	µg/l	2.19 ± 0.0565	2.135 ± 0.21	0.262	97.7	-0.19
Uranium	µg/l	3.49 ± 0.113	3.575 ± 0.36	0.231	102	0.36
Zinc	µg/l	88.5 ± 1.55	86.4 ± 8.6	7.97	97.6	-0.27

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	0.944 ± 0.0244	0.89 ± 0.09	0.132	94.3	-0.41

Sample: M160B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	105 ± 2.25	109.3 ± 10.9	15.8	104	0.26
Arsenic	µg/l	5.66 ± 0.136	5.513 ± 0.55	0.736	97.4	-0.20
Cadmium	µg/l	3.67 ± 0.0564	3.629 ± 0.36	0.367	98.8	-0.12
Chromium	µg/l	2.21 ± 0.0559	2.115 ± 0.21	0.188	95.8	-0.49
Copper	µg/l	60.4 ± 0.94	60.3 ± 6	5.44	99.8	-0.02
Iron	µg/l	113 ± 1.78	113.5 ± 11.4	12.4	101	0.05
Lead	µg/l	2.69 ± 0.0583	2.873 ± 0.29	0.403	107	0.46
Manganese	µg/l	20.7 ± 0.331	20.5 ± 2.05	1.49	98.8	-0.17
Nickel	µg/l	15.3 ± 0.317	15.4 ± 1.5	1.83	101	0.07
Selenium	µg/l	5.28 ± 0.126	5.1 ± 0.51	0.634	96.6	-0.29

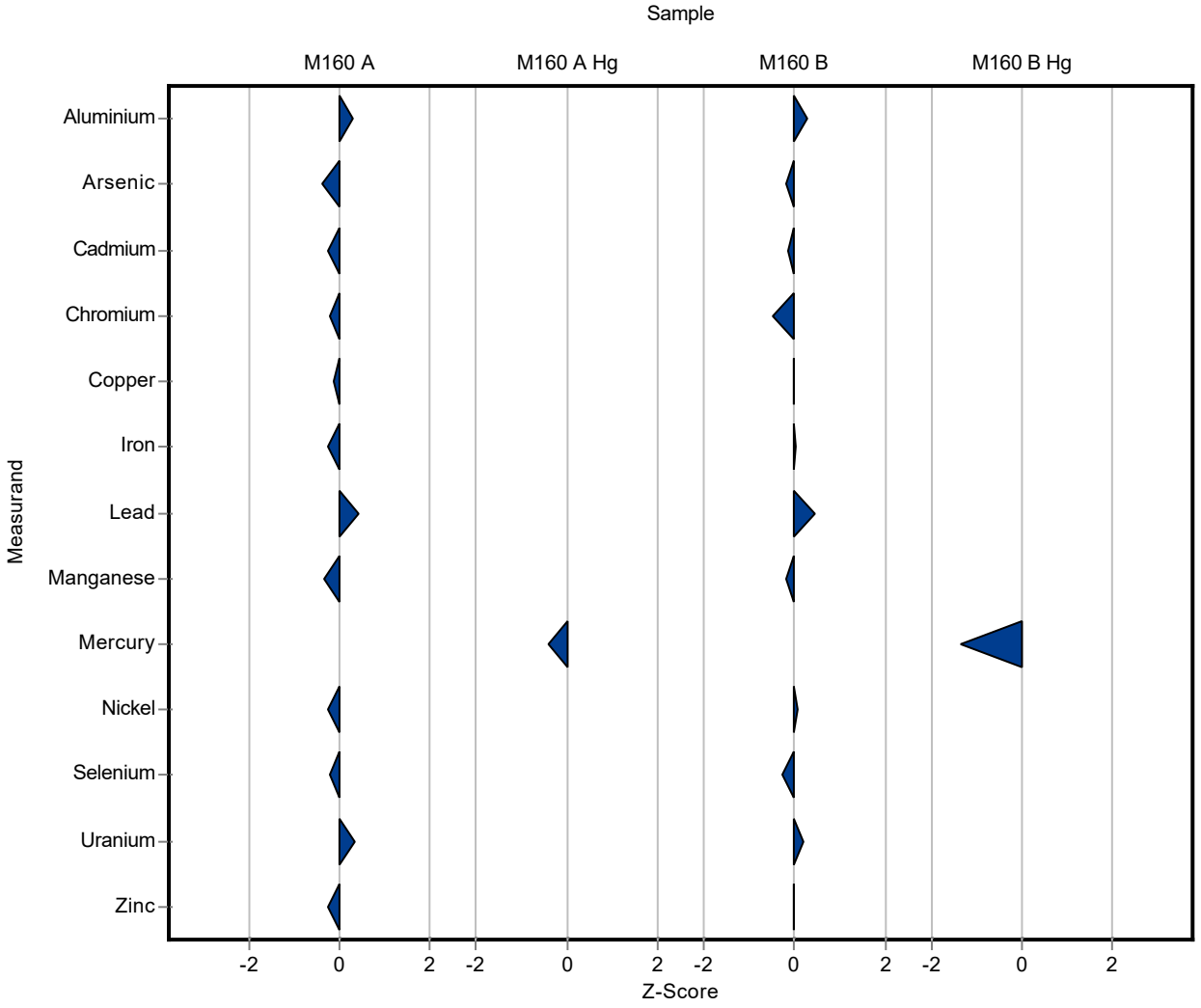
Summary of results Metals and trace elements M160

Labcode: LC0018

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Uranium	µg/l	1.72 ± 0.0429	1.74 ± 0.17	0.113	101	0.21
Zinc	µg/l	138 ± 1.77	137.5 ± 14	12.4	99.9	-0.02

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	1.2 ± 0.0214	0.971 ± 0.097	0.168	81	-1.36



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	36.3 ± 1.04	38.02 ± 3.8	5.45	105	0.22
Arsenic	µg/l	2.34 ± 0.0752	2.222 ± 0.22	0.304	95	-0.26
Cadmium	µg/l	0.517 ± 0.0112	0.503 ± 0.05	0.0517	97.3	-0.14
Chromium	µg/l	3.8 ± 0.0928	3.729 ± 0.37	0.323	98	-0.10
Copper	µg/l	9.22 ± 0.241	9.11 ± 0.91	0.829	98.9	-0.06
Iron	µg/l	54 ± 1.38	52.42 ± 5.2	5.94	97	-0.15
Lead	µg/l	2.21 ± 0.0437	2.347 ± 0.24	0.332	106	0.28
Manganese	µg/l	30.1 ± 0.599	29.43 ± 2.9	2.17	97.7	-0.12
Nickel	µg/l	5.18 ± 0.152	5.037 ± 0.5	0.622	97.2	-0.14
Selenium	µg/l	2.19 ± 0.0565	2.135 ± 0.21	0.262	97.7	-0.12
Uranium	µg/l	3.49 ± 0.113	3.575 ± 0.36	0.231	102	0.11
Zinc	µg/l	88.5 ± 1.55	86.4 ± 8.6	7.97	97.6	-0.12

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	0.944 ± 0.0244	0.89 ± 0.09	0.132	94.3	-0.30

Sample: M160B

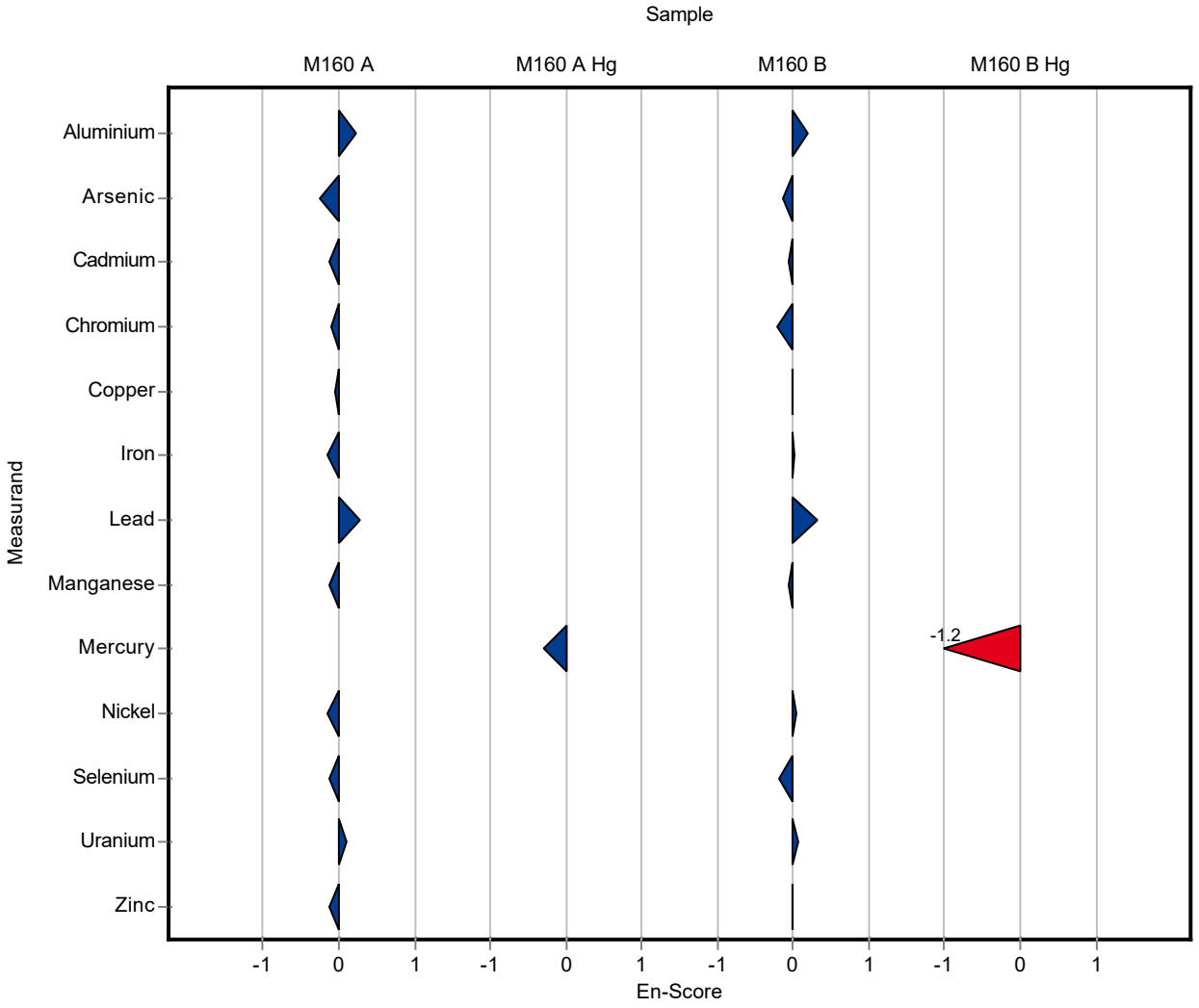
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	105 ± 2.25	109.3 ± 10.9	15.8	104	0.19
Arsenic	µg/l	5.66 ± 0.136	5.513 ± 0.55	0.736	97.4	-0.13
Cadmium	µg/l	3.67 ± 0.0564	3.629 ± 0.36	0.367	98.8	-0.06
Chromium	µg/l	2.21 ± 0.0559	2.115 ± 0.21	0.188	95.8	-0.22
Copper	µg/l	60.4 ± 0.94	60.3 ± 6	5.44	99.8	-0.01
Iron	µg/l	113 ± 1.78	113.5 ± 11.4	12.4	101	0.03
Lead	µg/l	2.69 ± 0.0583	2.873 ± 0.29	0.403	107	0.32
Manganese	µg/l	20.7 ± 0.331	20.5 ± 2.05	1.49	98.8	-0.06
Nickel	µg/l	15.3 ± 0.317	15.4 ± 1.5	1.83	101	0.04

Summary of results Metals and trace elements M160 - En-Score Labcode: LC0018

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Selenium	µg/l	5.28 ± 0.126	5.1 ± 0.51	0.634	96.6	-0.18
Uranium	µg/l	1.72 ± 0.0429	1.74 ± 0.17	0.113	101	0.07
Zinc	µg/l	138 ± 1.77	137.5 ± 14	12.4	99.9	-0.01

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	1.2 ± 0.0214	0.971 ± 0.097	0.168	81	-1.17



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	36.3 ± 1.04	35.5 ± 3.5	5.45	97.8	-0.15
Arsenic	µg/l	2.34 ± 0.0752	4.42 ± 0.8	0.304	189	6.85
Cadmium	µg/l	0.517 ± 0.0112	0.5 ± 0.08	0.0517	96.7	-0.33
Chromium	µg/l	3.8 ± 0.0928	3.55 ± 0.4	0.323	93.3	-0.79
Copper	µg/l	9.22 ± 0.241	10.9 ± 1	0.829	118	2.03
Iron	µg/l	54 ± 1.38	49.9 ± 5	5.94	92.4	-0.69
Lead	µg/l	2.21 ± 0.0437	2.48 ± 0.4	0.332	112	0.81
Manganese	µg/l	30.1 ± 0.599	27.1 ± 3	2.17	89.9	-1.40
Nickel	µg/l	5.18 ± 0.152	5.06 ± 0.5	0.622	97.6	-0.20
Selenium	µg/l	2.19 ± 0.0565	2.6 ± 0.3	0.262	119	1.58
Uranium	µg/l	3.49 ± 0.113	- ± -	0.231	-	-
Zinc	µg/l	88.5 ± 1.55	79.6 ± 8	7.97	89.9	-1.12

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	0.944 ± 0.0244	0.965 ± 0.3	0.132	102	0.16

Sample: M160B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	105 ± 2.25	96.3 ± 9.6	15.8	91.6	-0.56
Arsenic	µg/l	5.66 ± 0.136	6.24 ± 1.1	0.736	110	0.79
Cadmium	µg/l	3.67 ± 0.0564	3.53 ± 0.6	0.367	96.1	-0.39
Chromium	µg/l	2.21 ± 0.0559	2.05 ± 0.3	0.188	92.9	-0.84
Copper	µg/l	60.4 ± 0.94	59.3 ± 6	5.44	98.2	-0.20
Iron	µg/l	113 ± 1.78	107 ± 10	12.4	94.8	-0.48
Lead	µg/l	2.69 ± 0.0583	2.41 ± 0.4	0.403	89.7	-0.69
Manganese	µg/l	20.7 ± 0.331	19.4 ± 2	1.49	93.5	-0.90
Nickel	µg/l	15.3 ± 0.317	14.8 ± 1.5	1.83	96.9	-0.26
Selenium	µg/l	5.28 ± 0.126	5.1 ± 0.5	0.634	96.6	-0.29

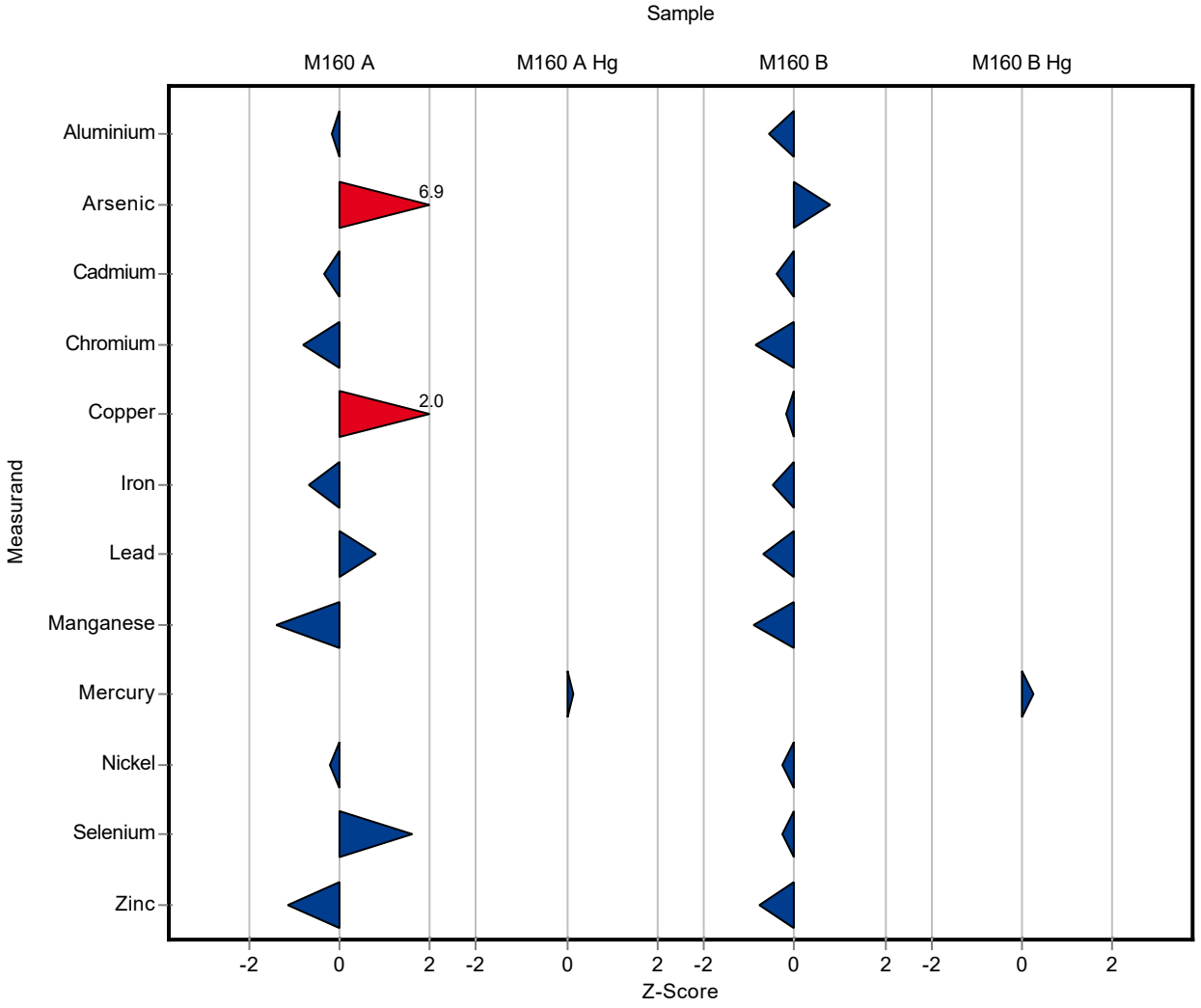
Summary of results Metals and trace elements M160

Labcode: LC0019

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Uranium	µg/l	1.72 ± 0.0429	- ± -	0.113	-	-
Zinc	µg/l	138 ± 1.77	128 ± 13	12.4	93	-0.78

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	1.2 ± 0.0214	1.24 ± 0.4	0.168	103	0.24



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	36.3 ± 1.04	35.5 ± 3.5	5.45	97.8	-0.12
Arsenic	µg/l	2.34 ± 0.0752	4.42 ± 0.8	0.304	189	1.30
Cadmium	µg/l	0.517 ± 0.0112	0.5 ± 0.08	0.0517	96.7	-0.10
Chromium	µg/l	3.8 ± 0.0928	3.55 ± 0.4	0.323	93.3	-0.32
Copper	µg/l	9.22 ± 0.241	10.9 ± 1	0.829	118	0.84
Iron	µg/l	54 ± 1.38	49.9 ± 5	5.94	92.4	-0.41
Lead	µg/l	2.21 ± 0.0437	2.48 ± 0.4	0.332	112	0.34
Manganese	µg/l	30.1 ± 0.599	27.1 ± 3	2.17	89.9	-0.50
Nickel	µg/l	5.18 ± 0.152	5.06 ± 0.5	0.622	97.6	-0.12
Selenium	µg/l	2.19 ± 0.0565	2.6 ± 0.3	0.262	119	0.69
Uranium	µg/l	3.49 ± 0.113	- ± -	0.231	-	-
Zinc	µg/l	88.5 ± 1.55	79.6 ± 8	7.97	89.9	-0.56

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	0.944 ± 0.0244	0.965 ± 0.3	0.132	102	0.04

Sample: M160B

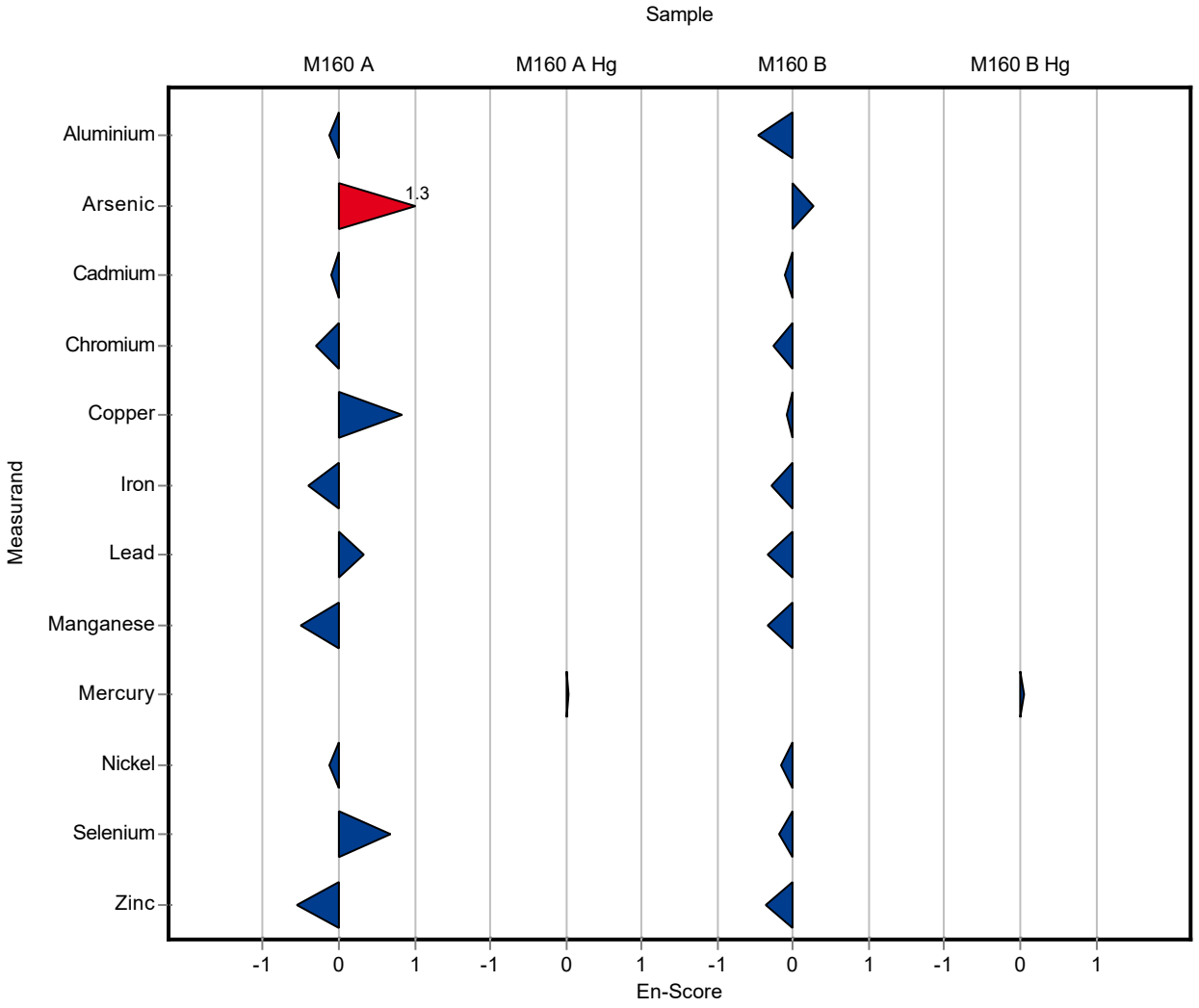
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	105 ± 2.25	96.3 ± 9.6	15.8	91.6	-0.46
Arsenic	µg/l	5.66 ± 0.136	6.24 ± 1.1	0.736	110	0.26
Cadmium	µg/l	3.67 ± 0.0564	3.53 ± 0.6	0.367	96.1	-0.12
Chromium	µg/l	2.21 ± 0.0559	2.05 ± 0.3	0.188	92.9	-0.26
Copper	µg/l	60.4 ± 0.94	59.3 ± 6	5.44	98.2	-0.09
Iron	µg/l	113 ± 1.78	107 ± 10	12.4	94.8	-0.29
Lead	µg/l	2.69 ± 0.0583	2.41 ± 0.4	0.403	89.7	-0.34
Manganese	µg/l	20.7 ± 0.331	19.4 ± 2	1.49	93.5	-0.34
Nickel	µg/l	15.3 ± 0.317	14.8 ± 1.5	1.83	96.9	-0.16

Summary of results Metals and trace elements M160 - En-Score Labcode: LC0019

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Selenium	µg/l	5.28 ± 0.126	5.1 ± 0.5	0.634	96.6	-0.18
Uranium	µg/l	1.72 ± 0.0429	- ± -	0.113	-	-
Zinc	µg/l	138 ± 1.77	128 ± 13	12.4	93	-0.37

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	1.2 ± 0.0214	1.24 ± 0.4	0.168	103	0.05



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	36.3 ± 1.04	34.9 ± 4.8	5.45	96.1	-0.26
Arsenic	µg/l	2.34 ± 0.0752	2.3 ± 0.4	0.304	98.4	-0.12
Cadmium	µg/l	0.517 ± 0.0112	0.53 ± 0.07	0.0517	103	0.25
Chromium	µg/l	3.8 ± 0.0928	3.7 ± 0.6	0.323	97.3	-0.32
Copper	µg/l	9.22 ± 0.241	9.2 ± 1.1	0.829	99.8	-0.02
Iron	µg/l	54 ± 1.38	53.1 ± 5.5	5.94	98.3	-0.16
Lead	µg/l	2.21 ± 0.0437	2.21 ± 0.27	0.332	99.9	0.00
Manganese	µg/l	30.1 ± 0.599	29.6 ± 3.1	2.17	98.2	-0.25
Nickel	µg/l	5.18 ± 0.152	4.5 ± 0.7	0.622	86.8	-1.10
Selenium	µg/l	2.19 ± 0.0565	2.3 ± 0.3	0.262	105	0.44
Uranium	µg/l	3.49 ± 0.113	3.4 ± 0.3	0.231	97.3	-0.40
Zinc	µg/l	88.5 ± 1.55	88.1 ± 10.5	7.97	99.5	-0.05

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	0.944 ± 0.0244	0.98 ± 0.14	0.132	104	0.27

Sample: M160B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	105 ± 2.25	97.4 ± 11.9	15.8	92.6	-0.49
Arsenic	µg/l	5.66 ± 0.136	5.6 ± 0.8	0.736	99	-0.08
Cadmium	µg/l	3.67 ± 0.0564	3.89 ± 0.51	0.367	106	0.59
Chromium	µg/l	2.21 ± 0.0559	2.2 ± 0.4	0.188	99.7	-0.04
Copper	µg/l	60.4 ± 0.94	61.2 ± 7.6	5.44	101	0.15
Iron	µg/l	113 ± 1.78	114 ± 13	12.4	101	0.09
Lead	µg/l	2.69 ± 0.0583	2.81 ± 0.34	0.403	105	0.31
Manganese	µg/l	20.7 ± 0.331	21.2 ± 2.3	1.49	102	0.30
Nickel	µg/l	15.3 ± 0.317	15.5 ± 2.1	1.83	101	0.12
Selenium	µg/l	5.28 ± 0.126	5.3 ± 0.6	0.634	100	0.03

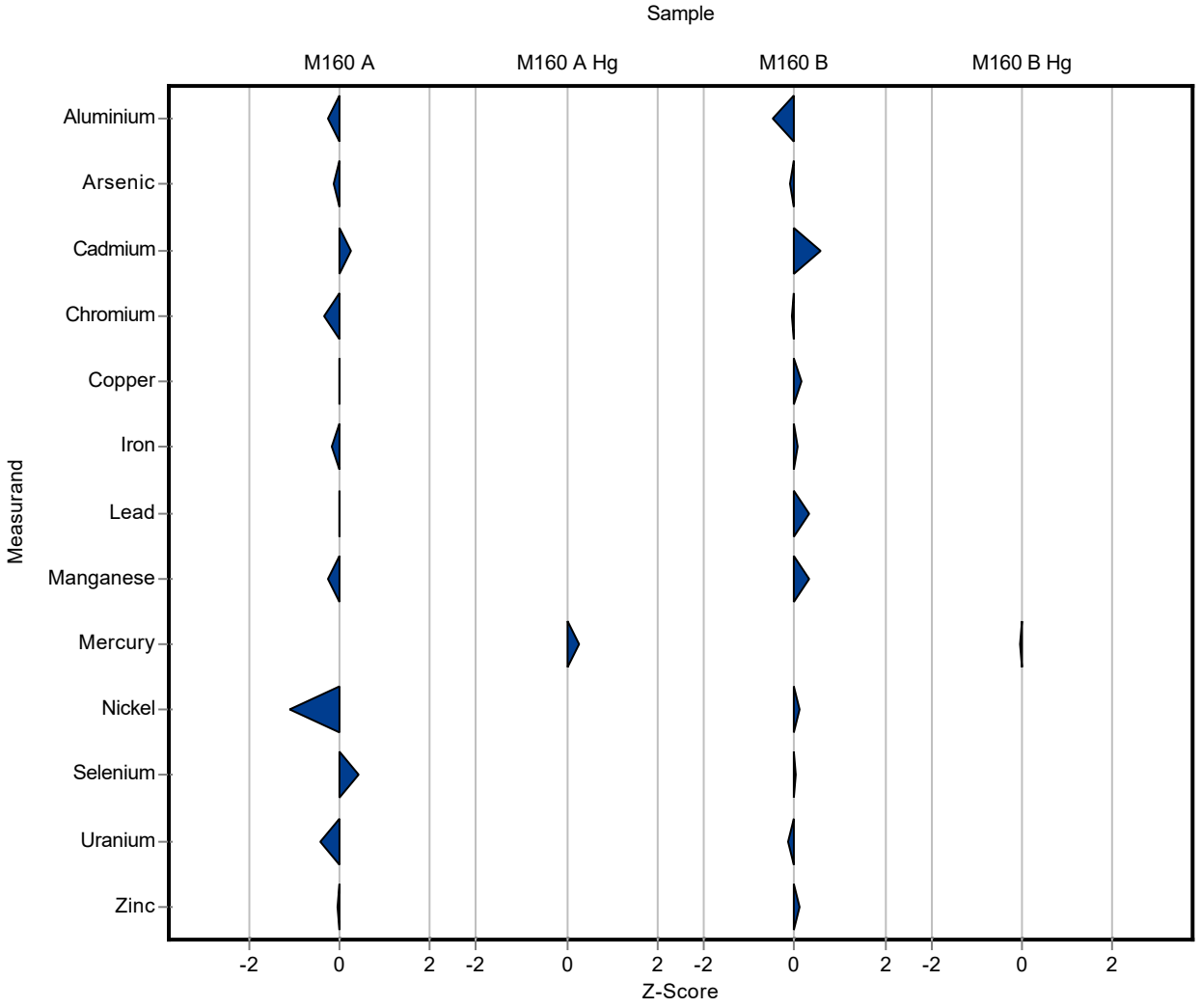
Summary of results Metals and trace elements M160

Labcode: LC0020

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Uranium	µg/l	1.72 ± 0.0429	1.7 ± 0.2	0.113	99.1	-0.14
Zinc	µg/l	138 ± 1.77	139 ± 18	12.4	101	0.11

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	1.2 ± 0.0214	1.19 ± 0.17	0.168	99.3	-0.05



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	36.3 ± 1.04	34.9 ± 4.8	5.45	96.1	-0.15
Arsenic	µg/l	2.34 ± 0.0752	2.3 ± 0.4	0.304	98.4	-0.05
Cadmium	µg/l	0.517 ± 0.0112	0.53 ± 0.07	0.0517	103	0.09
Chromium	µg/l	3.8 ± 0.0928	3.7 ± 0.6	0.323	97.3	-0.09
Copper	µg/l	9.22 ± 0.241	9.2 ± 1.1	0.829	99.8	-0.01
Iron	µg/l	54 ± 1.38	53.1 ± 5.5	5.94	98.3	-0.08
Lead	µg/l	2.21 ± 0.0437	2.21 ± 0.27	0.332	99.9	0.00
Manganese	µg/l	30.1 ± 0.599	29.6 ± 3.1	2.17	98.2	-0.09
Nickel	µg/l	5.18 ± 0.152	4.5 ± 0.7	0.622	86.8	-0.49
Selenium	µg/l	2.19 ± 0.0565	2.3 ± 0.3	0.262	105	0.19
Uranium	µg/l	3.49 ± 0.113	3.4 ± 0.3	0.231	97.3	-0.15
Zinc	µg/l	88.5 ± 1.55	88.1 ± 10.5	7.97	99.5	-0.02

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	0.944 ± 0.0244	0.98 ± 0.14	0.132	104	0.13

Sample: M160B

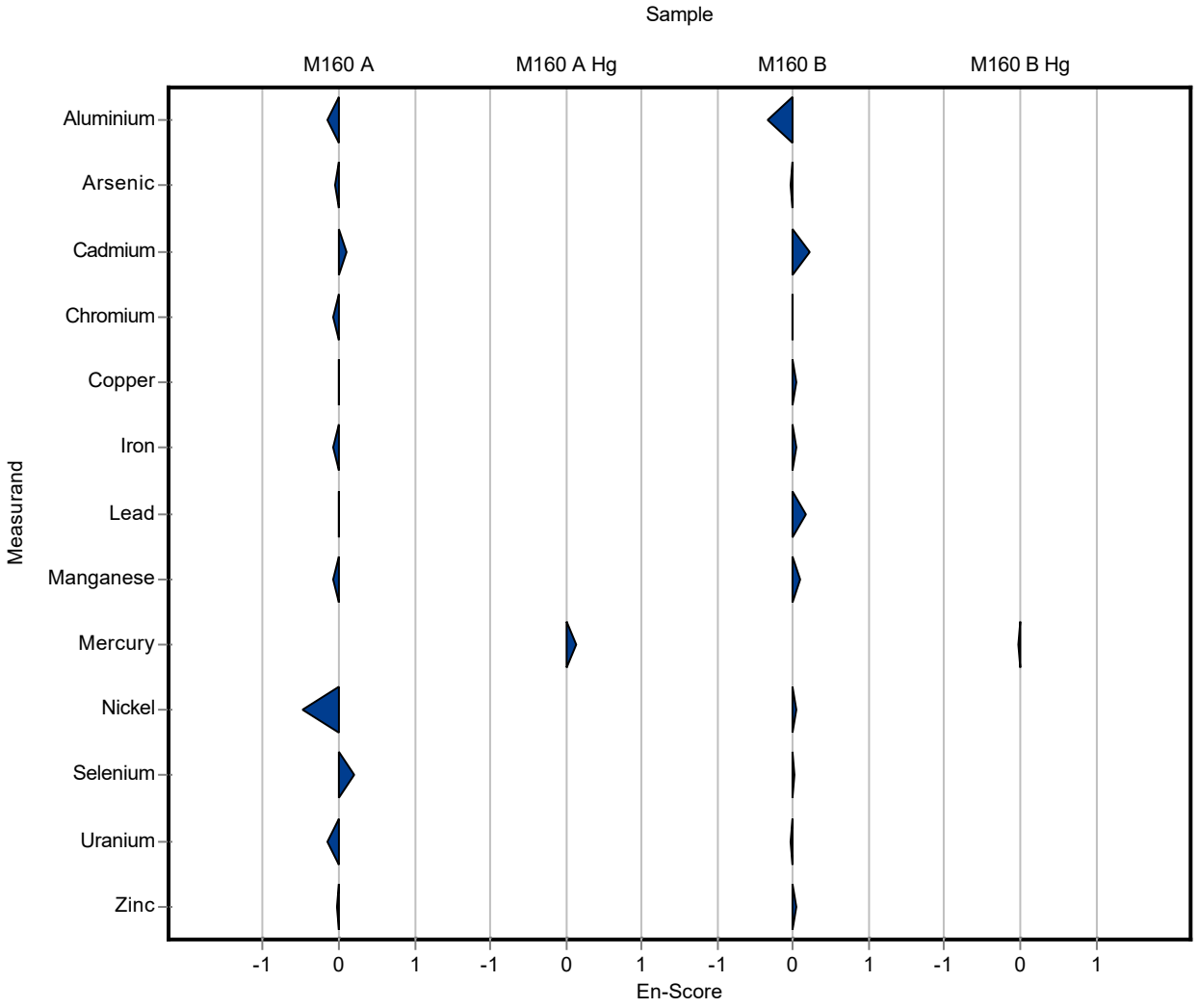
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	105 ± 2.25	97.4 ± 11.9	15.8	92.6	-0.33
Arsenic	µg/l	5.66 ± 0.136	5.6 ± 0.8	0.736	99	-0.04
Cadmium	µg/l	3.67 ± 0.0564	3.89 ± 0.51	0.367	106	0.21
Chromium	µg/l	2.21 ± 0.0559	2.2 ± 0.4	0.188	99.7	-0.01
Copper	µg/l	60.4 ± 0.94	61.2 ± 7.6	5.44	101	0.05
Iron	µg/l	113 ± 1.78	114 ± 13	12.4	101	0.04
Lead	µg/l	2.69 ± 0.0583	2.81 ± 0.34	0.403	105	0.18
Manganese	µg/l	20.7 ± 0.331	21.2 ± 2.3	1.49	102	0.10
Nickel	µg/l	15.3 ± 0.317	15.5 ± 2.1	1.83	101	0.05

Summary of results Metals and trace elements M160 - En-Score Labcode: LC0020

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Selenium	µg/l	5.28 ± 0.126	5.3 ± 0.6	0.634	100	0.01
Uranium	µg/l	1.72 ± 0.0429	1.7 ± 0.2	0.113	99.1	-0.04
Zinc	µg/l	138 ± 1.77	139 ± 18	12.4	101	0.04

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	1.2 ± 0.0214	1.19 ± 0.17	0.168	99.3	-0.03



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	36.3 ± 1.04	30.7 ± 5.5	5.45	84.5	-1.03
Arsenic	µg/l	2.34 ± 0.0752	2.9 ± 0.5	0.304	124	1.85
Cadmium	µg/l	0.517 ± 0.0112	0.6 ± 0.07	0.0517	116	1.61
Chromium	µg/l	3.8 ± 0.0928	4.2 ± 0.6	0.323	110	1.23
Copper	µg/l	9.22 ± 0.241	9.2 ± 2	0.829	99.8	-0.02
Iron	µg/l	54 ± 1.38	58.7 ± 8	5.94	109	0.79
Lead	µg/l	2.21 ± 0.0437	2.1 ± 0.3	0.332	95	-0.34
Manganese	µg/l	30.1 ± 0.599	33.1 ± 4	2.17	110	1.36
Nickel	µg/l	5.18 ± 0.152	5.3 ± 0.9	0.622	102	0.19
Selenium	µg/l	2.19 ± 0.0565	<5 (LOQ) ± -	0.262	-	-
Uranium	µg/l	3.49 ± 0.113	4 ± 0.5	0.231	115	2.20
Zinc	µg/l	88.5 ± 1.55	89.7 ± 14	7.97	101	0.15

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	0.944 ± 0.0244	1 ± 0.2	0.132	106	0.42

Sample: M160B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	105 ± 2.25	115 ± 21	15.8	109	0.62
Arsenic	µg/l	5.66 ± 0.136	6.1 ± 1	0.736	108	0.60
Cadmium	µg/l	3.67 ± 0.0564	3.8 ± 0.5	0.367	103	0.35
Chromium	µg/l	2.21 ± 0.0559	2.3 ± 0.3	0.188	104	0.49
Copper	µg/l	60.4 ± 0.94	61 ± 10	5.44	101	0.11
Iron	µg/l	113 ± 1.78	116 ± 16	12.4	103	0.25
Lead	µg/l	2.69 ± 0.0583	2.6 ± 0.4	0.403	96.8	-0.21
Manganese	µg/l	20.7 ± 0.331	21.4 ± 2	1.49	103	0.44
Nickel	µg/l	15.3 ± 0.317	15.3 ± 2	1.83	100	0.01
Selenium	µg/l	5.28 ± 0.126	5.8 ± 2	0.634	110	0.82

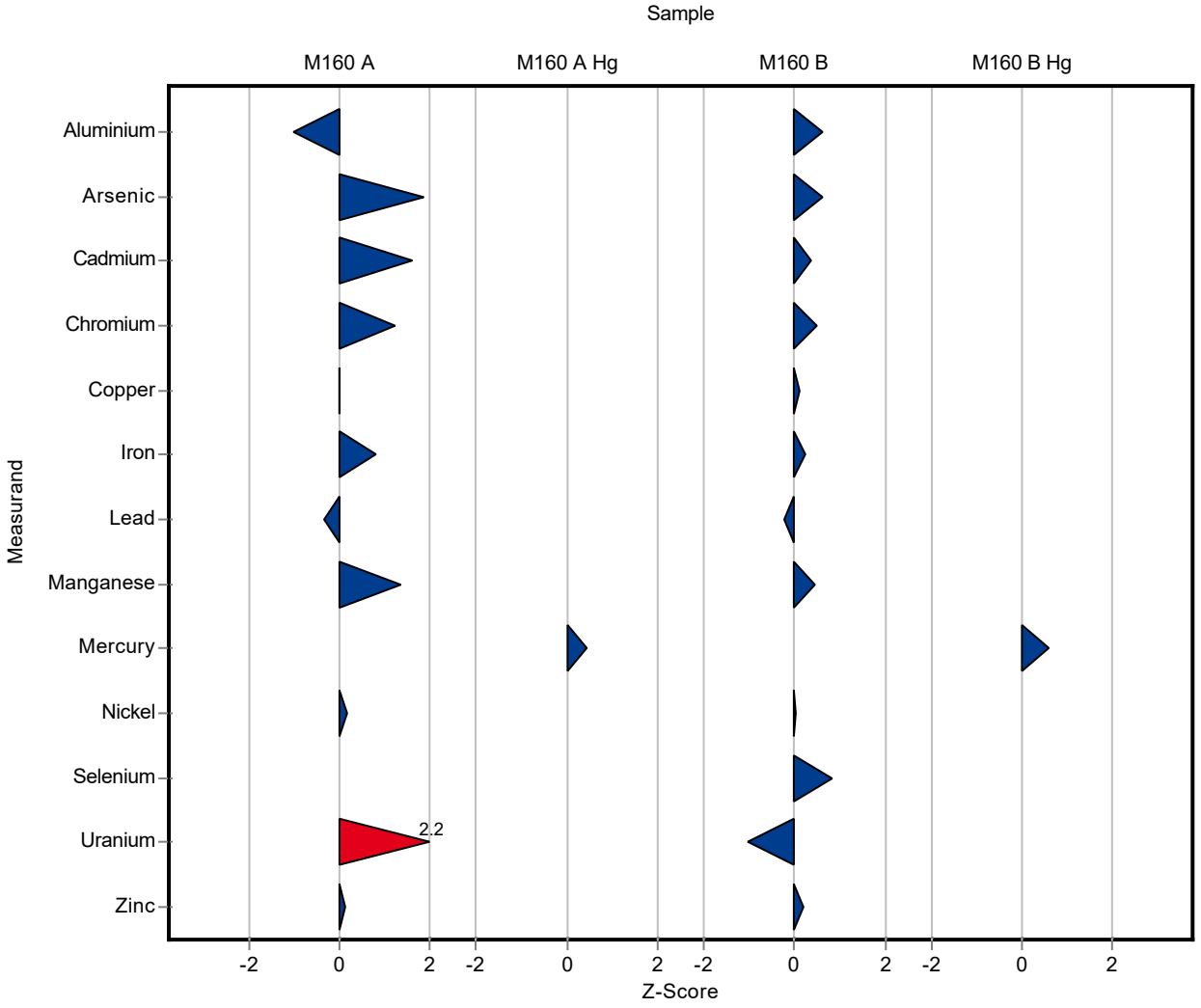
Summary of results Metals and trace elements M160

Labcode: LC0021

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Uranium	µg/l	1.72 ± 0.0429	1.6 ± 0.2	0.113	93.2	-1.03
Zinc	µg/l	138 ± 1.77	140 ± 23	12.4	102	0.19

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	1.2 ± 0.0214	1.3 ± 0.3	0.168	108	0.60



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	36.3 ± 1.04	30.7 ± 5.5	5.45	84.5	-0.51
Arsenic	µg/l	2.34 ± 0.0752	2.9 ± 0.5	0.304	124	0.56
Cadmium	µg/l	0.517 ± 0.0112	0.6 ± 0.07	0.0517	116	0.59
Chromium	µg/l	3.8 ± 0.0928	4.2 ± 0.6	0.323	110	0.33
Copper	µg/l	9.22 ± 0.241	9.2 ± 2	0.829	99.8	0.00
Iron	µg/l	54 ± 1.38	58.7 ± 8	5.94	109	0.29
Lead	µg/l	2.21 ± 0.0437	2.1 ± 0.3	0.332	95	-0.18
Manganese	µg/l	30.1 ± 0.599	33.1 ± 4	2.17	110	0.37
Nickel	µg/l	5.18 ± 0.152	5.3 ± 0.9	0.622	102	0.06
Selenium	µg/l	2.19 ± 0.0565	<5 (LOQ) ± -	0.262	-	-
Uranium	µg/l	3.49 ± 0.113	4 ± 0.5	0.231	115	0.50
Zinc	µg/l	88.5 ± 1.55	89.7 ± 14	7.97	101	0.04

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	0.944 ± 0.0244	1 ± 0.2	0.132	106	0.14

Sample: M160B

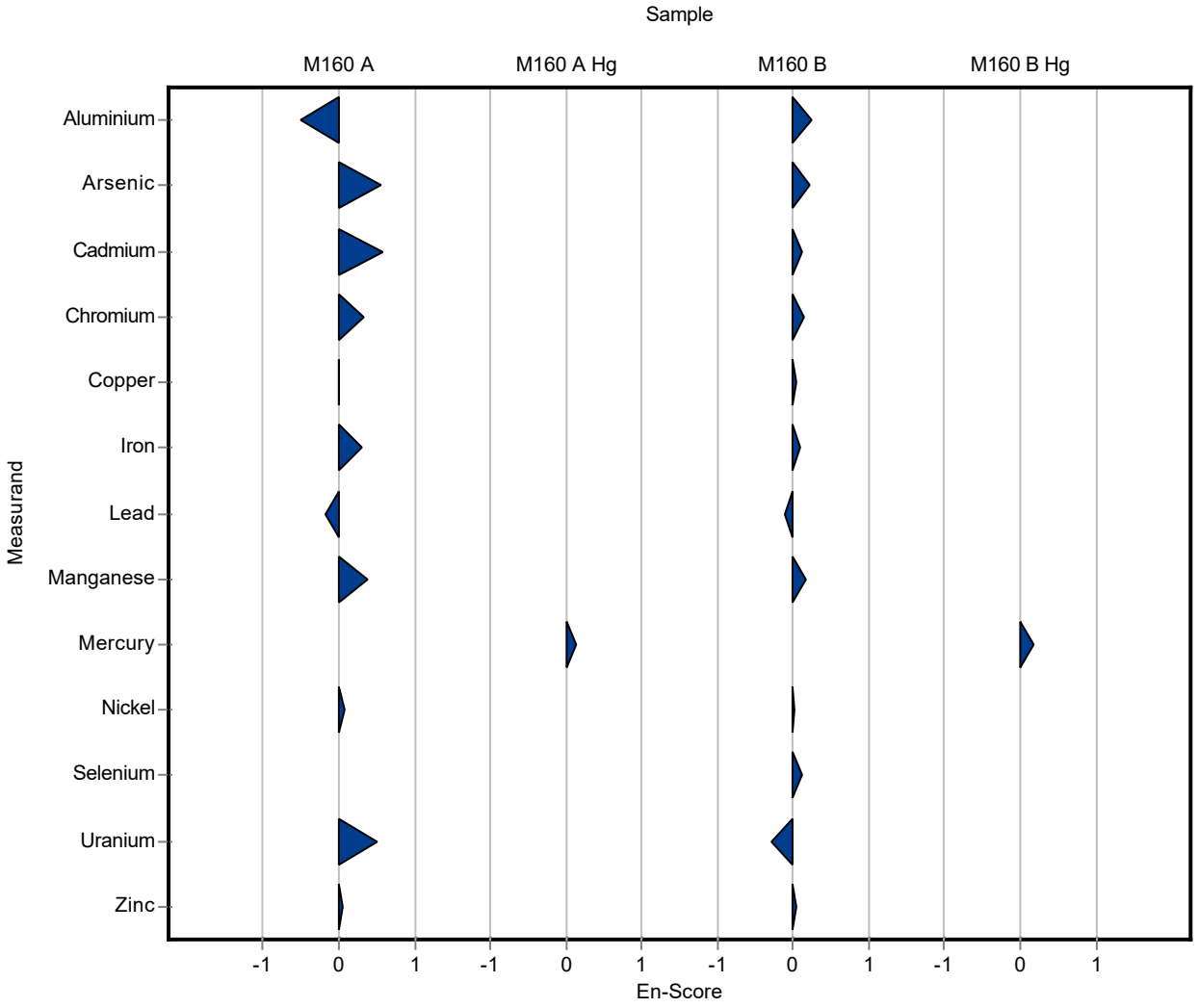
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	105 ± 2.25	115 ± 21	15.8	109	0.23
Arsenic	µg/l	5.66 ± 0.136	6.1 ± 1	0.736	108	0.22
Cadmium	µg/l	3.67 ± 0.0564	3.8 ± 0.5	0.367	103	0.13
Chromium	µg/l	2.21 ± 0.0559	2.3 ± 0.3	0.188	104	0.15
Copper	µg/l	60.4 ± 0.94	61 ± 10	5.44	101	0.03
Iron	µg/l	113 ± 1.78	116 ± 16	12.4	103	0.10
Lead	µg/l	2.69 ± 0.0583	2.6 ± 0.4	0.403	96.8	-0.11
Manganese	µg/l	20.7 ± 0.331	21.4 ± 2	1.49	103	0.16
Nickel	µg/l	15.3 ± 0.317	15.3 ± 2	1.83	100	0.01

Summary of results Metals and trace elements M160 - En-Score Labcode: LC0021

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Selenium	µg/l	5.28 ± 0.126	5.8 ± 2	0.634	110	0.13
Uranium	µg/l	1.72 ± 0.0429	1.6 ± 0.2	0.113	93.2	-0.29
Zinc	µg/l	138 ± 1.77	140 ± 23	12.4	102	0.05

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	1.2 ± 0.0214	1.3 ± 0.3	0.168	108	0.17



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	36.3 ± 1.04	35.6 ± 0.774	5.45	98	-0.13
Arsenic	µg/l	2.34 ± 0.0752	2.27 ± 0.064	0.304	97.1	-0.22
Cadmium	µg/l	0.517 ± 0.0112	0.512 ± 0.032	0.0517	99.1	-0.09
Chromium	µg/l	3.8 ± 0.0928	3.85 ± 0.202	0.323	101	0.14
Copper	µg/l	9.22 ± 0.241	9.32 ± 3.05	0.829	101	0.13
Iron	µg/l	54 ± 1.38	52.9 ± 1.89	5.94	97.9	-0.19
Lead	µg/l	2.21 ± 0.0437	2.2 ± 0.112	0.332	99.5	-0.03
Manganese	µg/l	30.1 ± 0.599	29.5 ± 1.26	2.17	97.9	-0.29
Nickel	µg/l	5.18 ± 0.152	5.31 ± 0.438	0.622	102	0.20
Selenium	µg/l	2.19 ± 0.0565	2.2 ± 0.2	0.262	101	0.06
Uranium	µg/l	3.49 ± 0.113	3.54 ± 0.18	0.231	101	0.20
Zinc	µg/l	88.5 ± 1.55	86.9 ± 2.93	7.97	98.2	-0.20

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	0.944 ± 0.0244	0.744 ± 0.072	0.132	78.8	-1.51

Sample: M160B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	105 ± 2.25	102 ± 2.03	15.8	97	-0.20
Arsenic	µg/l	5.66 ± 0.136	5.57 ± 0.142	0.736	98.4	-0.12
Cadmium	µg/l	3.67 ± 0.0564	3.57 ± 0.208	0.367	97.2	-0.28
Chromium	µg/l	2.21 ± 0.0559	2.25 ± 0.175	0.188	102	0.23
Copper	µg/l	60.4 ± 0.94	66.9 ± 0.395	5.44	111	1.20
Iron	µg/l	113 ± 1.78	119 ± 3.71	12.4	105	0.49
Lead	µg/l	2.69 ± 0.0583	2.75 ± 0.109	0.403	102	0.16
Manganese	µg/l	20.7 ± 0.331	20.4 ± 0.779	1.49	98.3	-0.23
Nickel	µg/l	15.3 ± 0.317	16.8 ± 2.16	1.83	110	0.83
Selenium	µg/l	5.28 ± 0.126	4.97 ± 0.531	0.634	94.1	-0.49

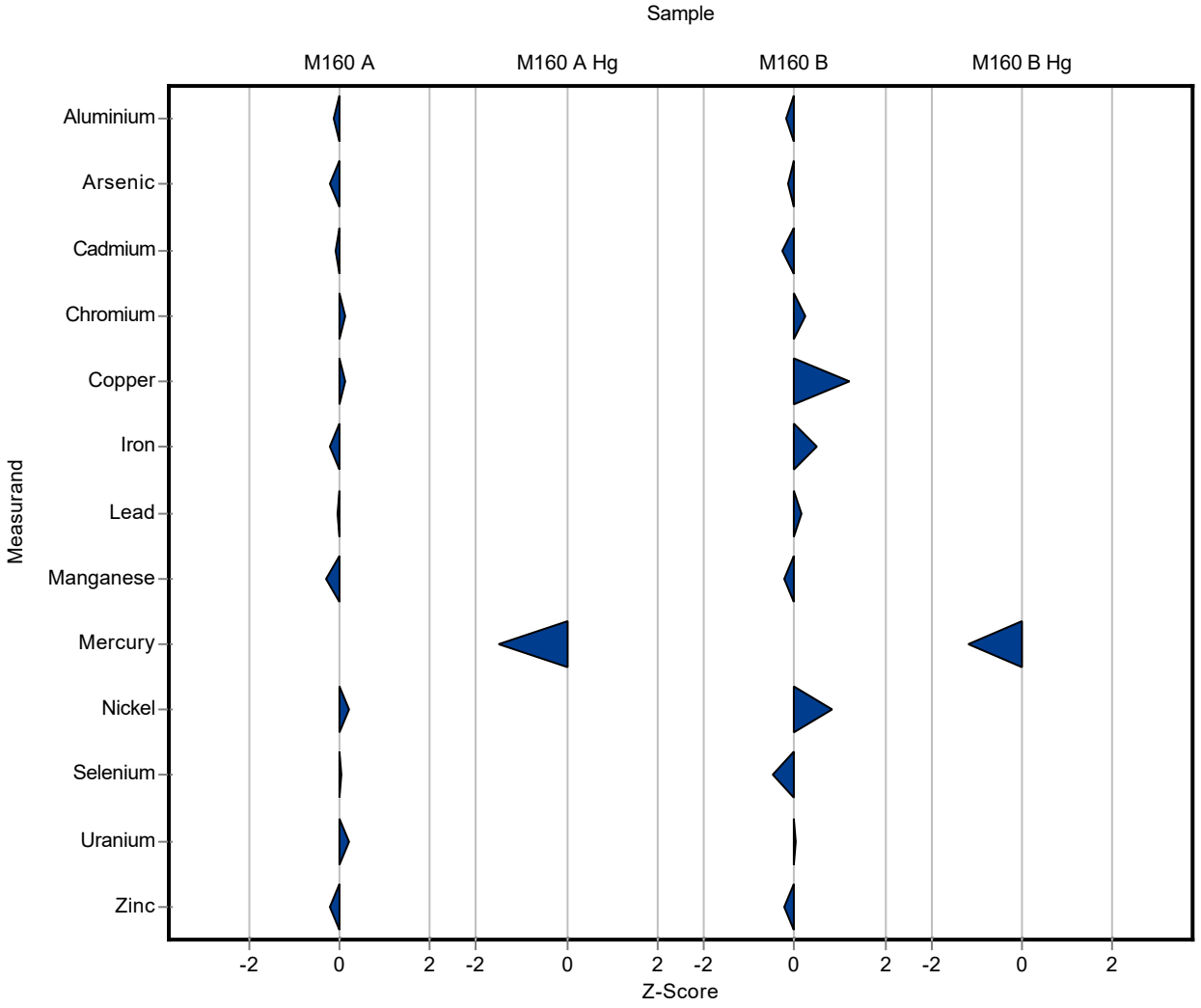
Summary of results Metals and trace elements M160

Labcode: LC0022

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Uranium	µg/l	1.72 ± 0.0429	1.72 ± 0.098	0.113	100	0.03
Zinc	µg/l	138 ± 1.77	135 ± 4.78	12.4	98	-0.22

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	1.2 ± 0.0214	1 ± 0.139	0.168	83.4	-1.19



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	36.3 ± 1.04	35.6 ± 0.774	5.45	98	-0.38
Arsenic	µg/l	2.34 ± 0.0752	2.27 ± 0.064	0.304	97.1	-0.46
Cadmium	µg/l	0.517 ± 0.0112	0.512 ± 0.032	0.0517	99.1	-0.07
Chromium	µg/l	3.8 ± 0.0928	3.85 ± 0.202	0.323	101	0.11
Copper	µg/l	9.22 ± 0.241	9.32 ± 3.05	0.829	101	0.02
Iron	µg/l	54 ± 1.38	52.9 ± 1.89	5.94	97.9	-0.28
Lead	µg/l	2.21 ± 0.0437	2.2 ± 0.112	0.332	99.5	-0.05
Manganese	µg/l	30.1 ± 0.599	29.5 ± 1.26	2.17	97.9	-0.25
Nickel	µg/l	5.18 ± 0.152	5.31 ± 0.438	0.622	102	0.14
Selenium	µg/l	2.19 ± 0.0565	2.2 ± 0.2	0.262	101	0.04
Uranium	µg/l	3.49 ± 0.113	3.54 ± 0.18	0.231	101	0.13
Zinc	µg/l	88.5 ± 1.55	86.9 ± 2.93	7.97	98.2	-0.27

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	0.944 ± 0.0244	0.744 ± 0.072	0.132	78.8	-1.37

Sample: M160B

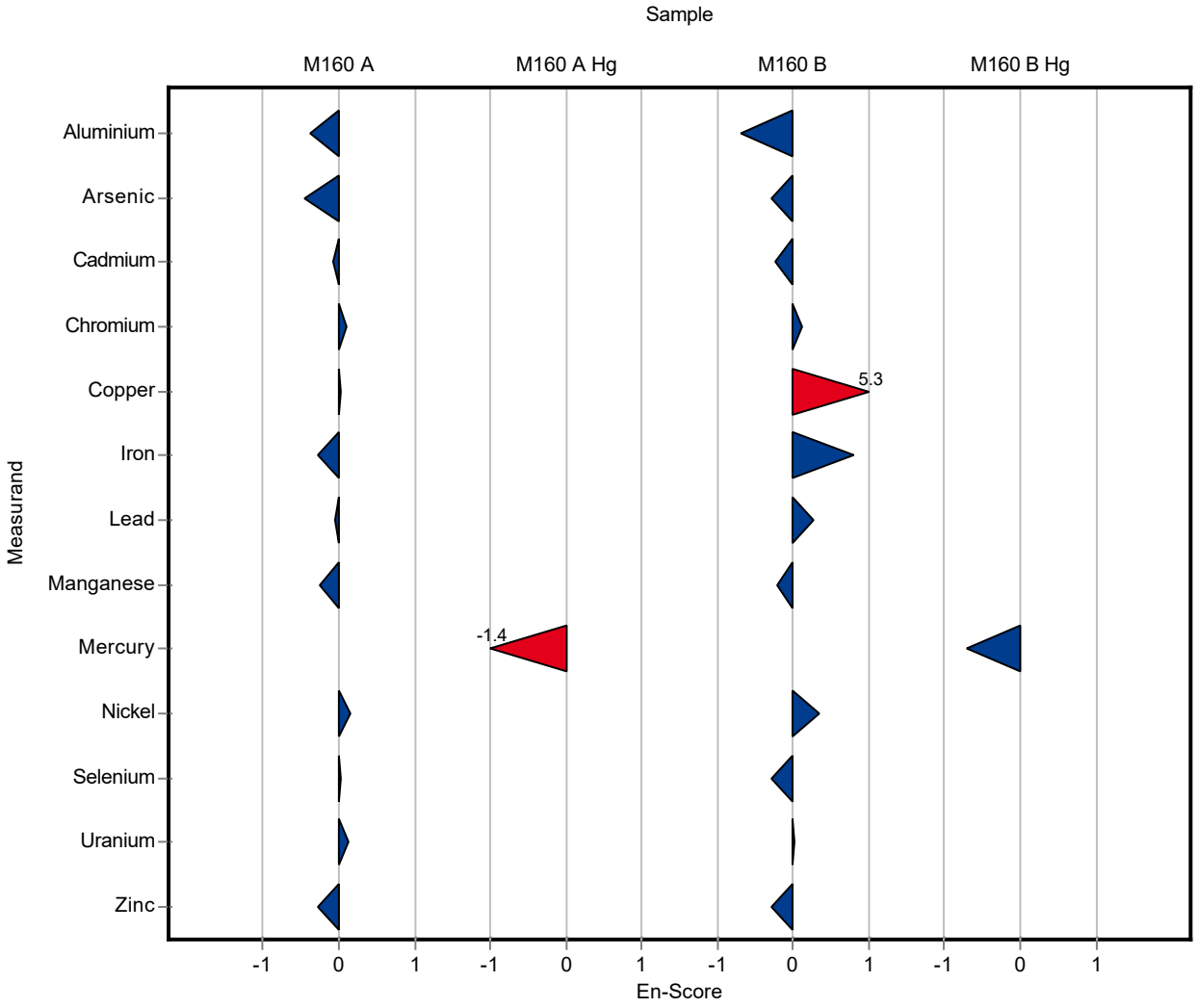
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	105 ± 2.25	102 ± 2.03	15.8	97	-0.69
Arsenic	µg/l	5.66 ± 0.136	5.57 ± 0.142	0.736	98.4	-0.28
Cadmium	µg/l	3.67 ± 0.0564	3.57 ± 0.208	0.367	97.2	-0.25
Chromium	µg/l	2.21 ± 0.0559	2.25 ± 0.175	0.188	102	0.12
Copper	µg/l	60.4 ± 0.94	66.9 ± 0.395	5.44	111	5.29
Iron	µg/l	113 ± 1.78	119 ± 3.71	12.4	105	0.80
Lead	µg/l	2.69 ± 0.0583	2.75 ± 0.109	0.403	102	0.28
Manganese	µg/l	20.7 ± 0.331	20.4 ± 0.779	1.49	98.3	-0.22
Nickel	µg/l	15.3 ± 0.317	16.8 ± 2.16	1.83	110	0.35

Summary of results Metals and trace elements M160 - En-Score Labcode: LC0022

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Selenium	µg/l	5.28 ± 0.126	4.97 ± 0.531	0.634	94.1	-0.29
Uranium	µg/l	1.72 ± 0.0429	1.72 ± 0.098	0.113	100	0.02
Zinc	µg/l	138 ± 1.77	135 ± 4.78	12.4	98	-0.28

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	1.2 ± 0.0214	1 ± 0.139	0.168	83.4	-0.71



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	36.3 ± 1.04	42 ± 4.2	5.45	116	1.04
Arsenic	µg/l	2.34 ± 0.0752	2.5 ± 0.3	0.304	107	0.53
Cadmium	µg/l	0.517 ± 0.0112	0.54 ± 0.0432	0.0517	104	0.45
Chromium	µg/l	3.8 ± 0.0928	4 ± 0.48	0.323	105	0.61
Copper	µg/l	9.22 ± 0.241	9.4 ± 0.752	0.829	102	0.22
Iron	µg/l	54 ± 1.38	57 ± 14.82	5.94	105	0.50
Lead	µg/l	2.21 ± 0.0437	2.5 ± 0.2	0.332	113	0.87
Manganese	µg/l	30.1 ± 0.599	32 ± 3.2	2.17	106	0.86
Nickel	µg/l	5.18 ± 0.152	5.2 ± 0.52	0.622	100	0.03
Selenium	µg/l	2.19 ± 0.0565	2.3 ± 0.345	0.262	105	0.44
Uranium	µg/l	3.49 ± 0.113	3.73 ± 0.187	0.231	107	1.03
Zinc	µg/l	88.5 ± 1.55	93 ± 9.3	7.97	105	0.56

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	0.944 ± 0.0244	1 ± 0.15	0.132	106	0.42

Sample: M160B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	105 ± 2.25	108 ± 10.8	15.8	103	0.18
Arsenic	µg/l	5.66 ± 0.136	5.9 ± 0.708	0.736	104	0.33
Cadmium	µg/l	3.67 ± 0.0564	3.83 ± 0.306	0.367	104	0.43
Chromium	µg/l	2.21 ± 0.0559	2.3 ± 0.276	0.188	104	0.49
Copper	µg/l	60.4 ± 0.94	62.1 ± 4.968	5.44	103	0.31
Iron	µg/l	113 ± 1.78	119 ± 30.94	12.4	105	0.49
Lead	µg/l	2.69 ± 0.0583	2.9 ± 0.232	0.403	108	0.53
Manganese	µg/l	20.7 ± 0.331	22 ± 2.2	1.49	106	0.84
Nickel	µg/l	15.3 ± 0.317	15.8 ± 1.58	1.83	103	0.29
Selenium	µg/l	5.28 ± 0.126	5.8 ± 0.87	0.634	110	0.82

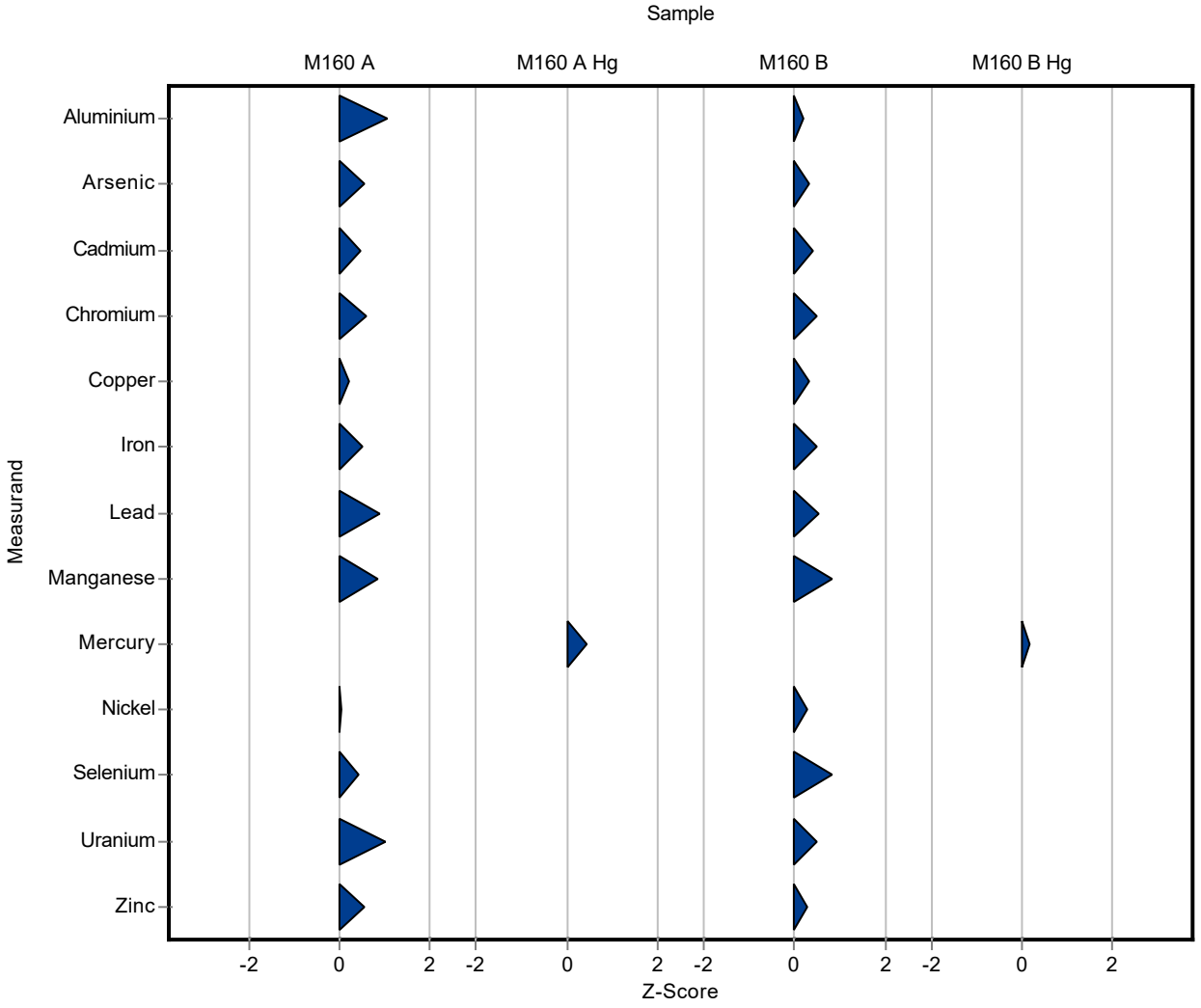
Summary of results Metals and trace elements M160

Labcode: LC0023

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Uranium	µg/l	1.72 ± 0.0429	1.77 ± 0.089	0.113	103	0.47
Zinc	µg/l	138 ± 1.77	141 ± 14.1	12.4	102	0.27

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	1.2 ± 0.0214	1.229 ± 0.1843	0.168	103	0.18



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	36.3 ± 1.04	42 ± 4.2	5.45	116	0.67
Arsenic	µg/l	2.34 ± 0.0752	2.5 ± 0.3	0.304	107	0.27
Cadmium	µg/l	0.517 ± 0.0112	0.54 ± 0.0432	0.0517	104	0.27
Chromium	µg/l	3.8 ± 0.0928	4 ± 0.48	0.323	105	0.20
Copper	µg/l	9.22 ± 0.241	9.4 ± 0.752	0.829	102	0.12
Iron	µg/l	54 ± 1.38	57 ± 14.82	5.94	105	0.10
Lead	µg/l	2.21 ± 0.0437	2.5 ± 0.2	0.332	113	0.72
Manganese	µg/l	30.1 ± 0.599	32 ± 3.2	2.17	106	0.29
Nickel	µg/l	5.18 ± 0.152	5.2 ± 0.52	0.622	100	0.02
Selenium	µg/l	2.19 ± 0.0565	2.3 ± 0.345	0.262	105	0.17
Uranium	µg/l	3.49 ± 0.113	3.73 ± 0.187	0.231	107	0.61
Zinc	µg/l	88.5 ± 1.55	93 ± 9.3	7.97	105	0.24

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	0.944 ± 0.0244	1 ± 0.15	0.132	106	0.19

Sample: M160B

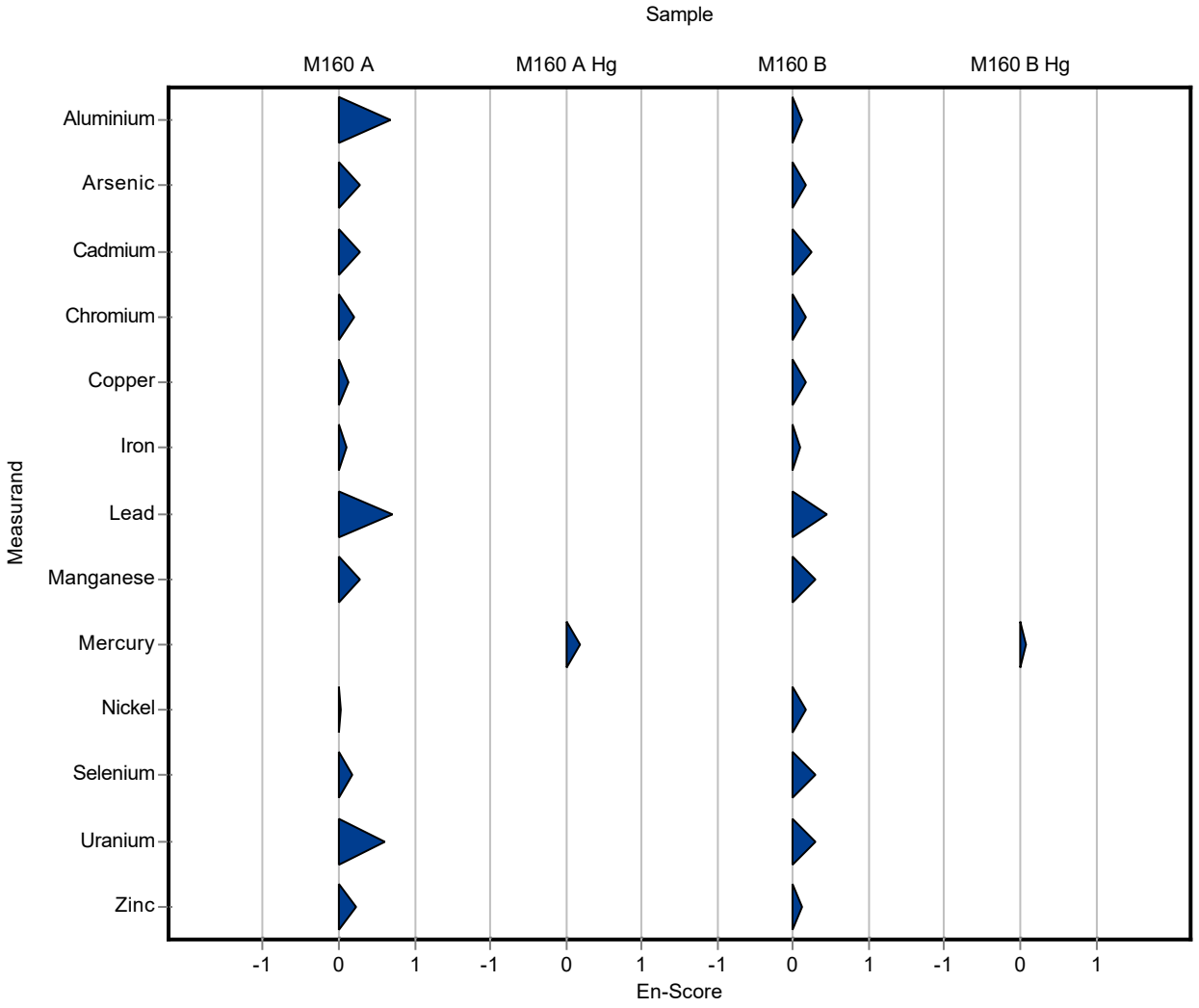
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	105 ± 2.25	108 ± 10.8	15.8	103	0.13
Arsenic	µg/l	5.66 ± 0.136	5.9 ± 0.708	0.736	104	0.17
Cadmium	µg/l	3.67 ± 0.0564	3.83 ± 0.306	0.367	104	0.26
Chromium	µg/l	2.21 ± 0.0559	2.3 ± 0.276	0.188	104	0.17
Copper	µg/l	60.4 ± 0.94	62.1 ± 4.968	5.44	103	0.17
Iron	µg/l	113 ± 1.78	119 ± 30.94	12.4	105	0.10
Lead	µg/l	2.69 ± 0.0583	2.9 ± 0.232	0.403	108	0.46
Manganese	µg/l	20.7 ± 0.331	22 ± 2.2	1.49	106	0.28
Nickel	µg/l	15.3 ± 0.317	15.8 ± 1.58	1.83	103	0.17

Summary of results Metals and trace elements M160 - En-Score Labcode: LC0023

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Selenium	µg/l	5.28 ± 0.126	5.8 ± 0.87	0.634	110	0.30
Uranium	µg/l	1.72 ± 0.0429	1.77 ± 0.089	0.113	103	0.29
Zinc	µg/l	138 ± 1.77	141 ± 14.1	12.4	102	0.12

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	1.2 ± 0.0214	1.229 ± 0.1843	0.168	103	0.08



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	36.3 ± 1.04	37.5 ± 5.6	5.45	103	0.22
Arsenic	µg/l	2.34 ± 0.0752	2.16 ± 0.431	0.304	92.4	-0.58
Cadmium	µg/l	0.517 ± 0.0112	0.54 ± 0.07	0.0517	104	0.45
Chromium	µg/l	3.8 ± 0.0928	3.47 ± 0.347	0.323	91.2	-1.03
Copper	µg/l	9.22 ± 0.241	9.1 ± 1.36	0.829	98.7	-0.14
Iron	µg/l	54 ± 1.38	51 ± 7.7	5.94	94.4	-0.51
Lead	µg/l	2.21 ± 0.0437	2.18 ± 0.327	0.332	98.6	-0.09
Manganese	µg/l	30.1 ± 0.599	28.1 ± 2.81	2.17	93.2	-0.94
Nickel	µg/l	5.18 ± 0.152	5.3 ± 0.53	0.622	102	0.19
Selenium	µg/l	2.19 ± 0.0565	2.25 ± 0.337	0.262	103	0.25
Uranium	µg/l	3.49 ± 0.113	3.38 ± 0.338	0.231	96.8	-0.49
Zinc	µg/l	88.5 ± 1.55	89 ± 8	7.97	101	0.06

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	0.944 ± 0.0244	1.02 ± 0.203	0.132	108	0.58

Sample: M160B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	105 ± 2.25	109 ± 16.4	15.8	104	0.24
Arsenic	µg/l	5.66 ± 0.136	5.4 ± 1.08	0.736	95.4	-0.35
Cadmium	µg/l	3.67 ± 0.0564	3.87 ± 0.5	0.367	105	0.54
Chromium	µg/l	2.21 ± 0.0559	2.02 ± 0.202	0.188	91.5	-1.00
Copper	µg/l	60.4 ± 0.94	60 ± 9	5.44	99.3	-0.07
Iron	µg/l	113 ± 1.78	109 ± 16.4	12.4	96.5	-0.32
Lead	µg/l	2.69 ± 0.0583	2.72 ± 0.407	0.403	101	0.08
Manganese	µg/l	20.7 ± 0.331	19.6 ± 1.96	1.49	94.5	-0.77
Nickel	µg/l	15.3 ± 0.317	16.1 ± 1.61	1.83	105	0.45
Selenium	µg/l	5.28 ± 0.126	5.6 ± 0.83	0.634	106	0.50

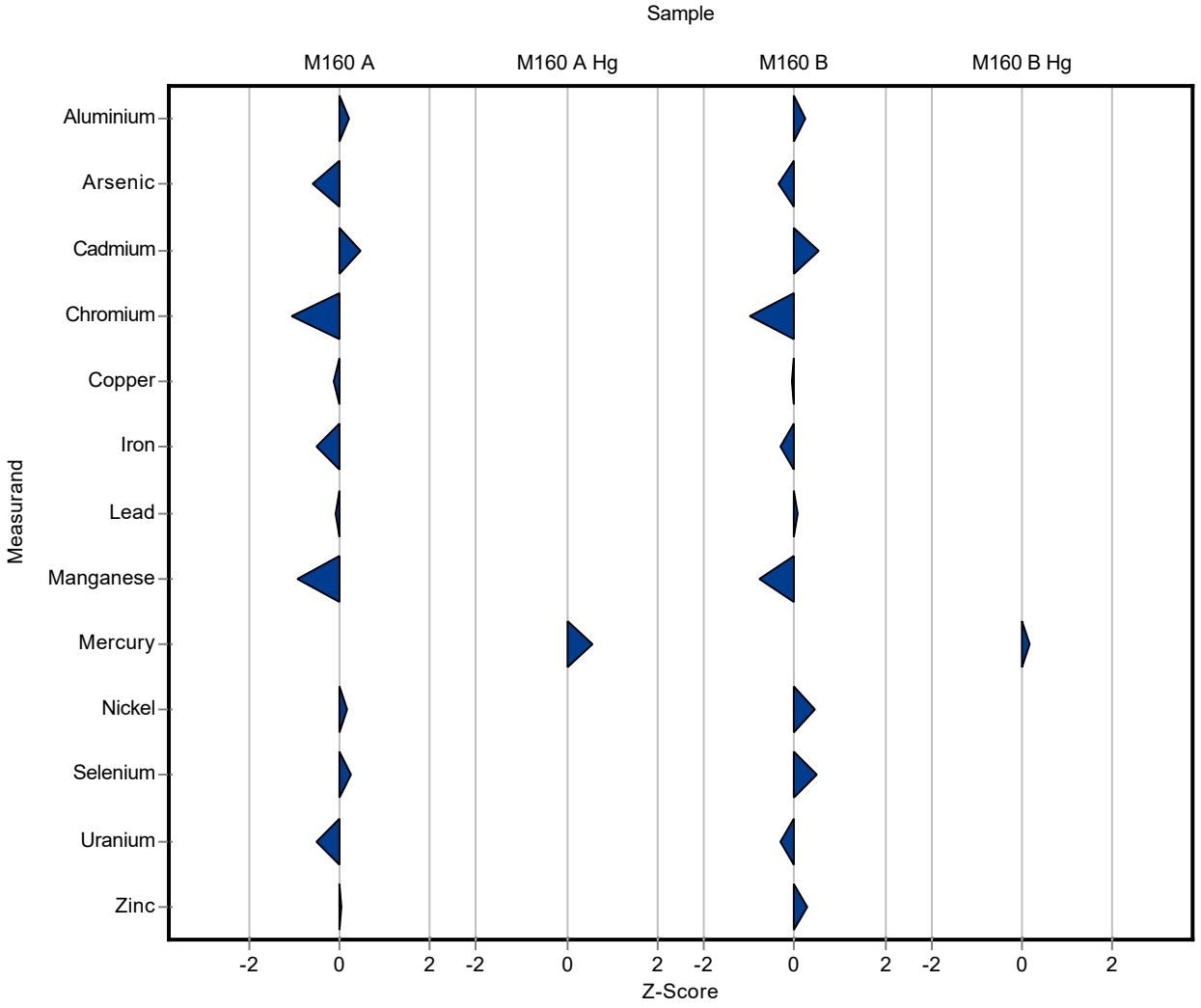
Summary of results Metals and trace elements M160

Labcode: LC0024

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Uranium	µg/l	1.72 ± 0.0429	1.68 ± 0.168	0.113	97.9	-0.32
Zinc	µg/l	138 ± 1.77	141 ± 12.7	12.4	102	0.27

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	1.2 ± 0.0214	1.23 ± 0.245	0.168	103	0.18



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	36.3 ± 1.04	37.5 ± 5.6	5.45	103	0.11
Arsenic	µg/l	2.34 ± 0.0752	2.16 ± 0.431	0.304	92.4	-0.20
Cadmium	µg/l	0.517 ± 0.0112	0.54 ± 0.07	0.0517	104	0.17
Chromium	µg/l	3.8 ± 0.0928	3.47 ± 0.347	0.323	91.2	-0.48
Copper	µg/l	9.22 ± 0.241	9.1 ± 1.36	0.829	98.7	-0.04
Iron	µg/l	54 ± 1.38	51 ± 7.7	5.94	94.4	-0.20
Lead	µg/l	2.21 ± 0.0437	2.18 ± 0.327	0.332	98.6	-0.05
Manganese	µg/l	30.1 ± 0.599	28.1 ± 2.81	2.17	93.2	-0.36
Nickel	µg/l	5.18 ± 0.152	5.3 ± 0.53	0.622	102	0.11
Selenium	µg/l	2.19 ± 0.0565	2.25 ± 0.337	0.262	103	0.10
Uranium	µg/l	3.49 ± 0.113	3.38 ± 0.338	0.231	96.8	-0.16
Zinc	µg/l	88.5 ± 1.55	89 ± 8	7.97	101	0.03

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	0.944 ± 0.0244	1.02 ± 0.203	0.132	108	0.19

Sample: M160B

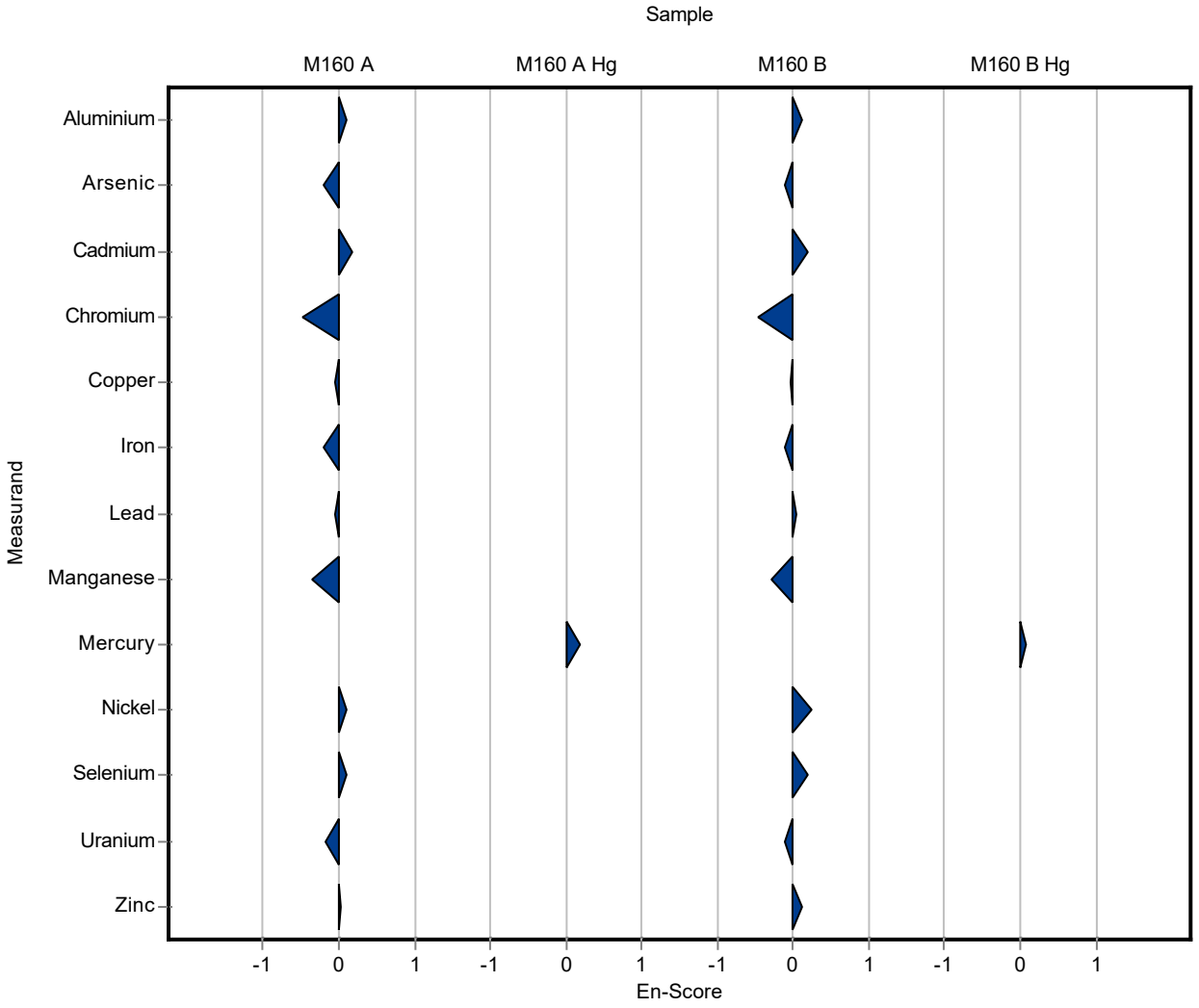
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	105 ± 2.25	109 ± 16.4	15.8	104	0.12
Arsenic	µg/l	5.66 ± 0.136	5.4 ± 1.08	0.736	95.4	-0.12
Cadmium	µg/l	3.67 ± 0.0564	3.87 ± 0.5	0.367	105	0.20
Chromium	µg/l	2.21 ± 0.0559	2.02 ± 0.202	0.188	91.5	-0.46
Copper	µg/l	60.4 ± 0.94	60 ± 9	5.44	99.3	-0.02
Iron	µg/l	113 ± 1.78	109 ± 16.4	12.4	96.5	-0.12
Lead	µg/l	2.69 ± 0.0583	2.72 ± 0.407	0.403	101	0.04
Manganese	µg/l	20.7 ± 0.331	19.6 ± 1.96	1.49	94.5	-0.29
Nickel	µg/l	15.3 ± 0.317	16.1 ± 1.61	1.83	105	0.26

Summary of results Metals and trace elements M160 - En-Score Labcode: LC0024

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Selenium	µg/l	5.28 ± 0.126	5.6 ± 0.83	0.634	106	0.19
Uranium	µg/l	1.72 ± 0.0429	1.68 ± 0.168	0.113	97.9	-0.11
Zinc	µg/l	138 ± 1.77	141 ± 12.7	12.4	102	0.13

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	1.2 ± 0.0214	1.23 ± 0.245	0.168	103	0.06



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	36.3 ± 1.04	46.4 ± 7.9	5.45	128	1.85
Arsenic	µg/l	2.34 ± 0.0752	- ± -	0.304	-	-
Cadmium	µg/l	0.517 ± 0.0112	- ± -	0.0517	-	-
Chromium	µg/l	3.8 ± 0.0928	- ± -	0.323	-	-
Copper	µg/l	9.22 ± 0.241	<10 (LOQ) ± -199.8	0.829	-	-
Iron	µg/l	54 ± 1.38	51 ± 9	5.94	94.4	-0.51
Lead	µg/l	2.21 ± 0.0437	- ± -	0.332	-	-
Manganese	µg/l	30.1 ± 0.599	28.1 ± 5.1	2.17	93.2	-0.94
Nickel	µg/l	5.18 ± 0.152	- ± -	0.622	-	-
Selenium	µg/l	2.19 ± 0.0565	- ± -	0.262	-	-
Uranium	µg/l	3.49 ± 0.113	- ± -	0.231	-	-
Zinc	µg/l	88.5 ± 1.55	- ± -	7.97	-	-

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	0.944 ± 0.0244	- ± -	0.132	-	-

Sample: M160B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	105 ± 2.25	117 ± 20	15.8	111	0.75
Arsenic	µg/l	5.66 ± 0.136	- ± -	0.736	-	-
Cadmium	µg/l	3.67 ± 0.0564	- ± -	0.367	-	-
Chromium	µg/l	2.21 ± 0.0559	- ± -	0.188	-	-
Copper	µg/l	60.4 ± 0.94	61 ± 11	5.44	101	0.11
Iron	µg/l	113 ± 1.78	106 ± 19	12.4	93.9	-0.56
Lead	µg/l	2.69 ± 0.0583	- ± -	0.403	-	-
Manganese	µg/l	20.7 ± 0.331	19.4 ± 3.5	1.49	93.5	-0.90
Nickel	µg/l	15.3 ± 0.317	- ± -	1.83	-	-
Selenium	µg/l	5.28 ± 0.126	- ± -	0.634	-	-

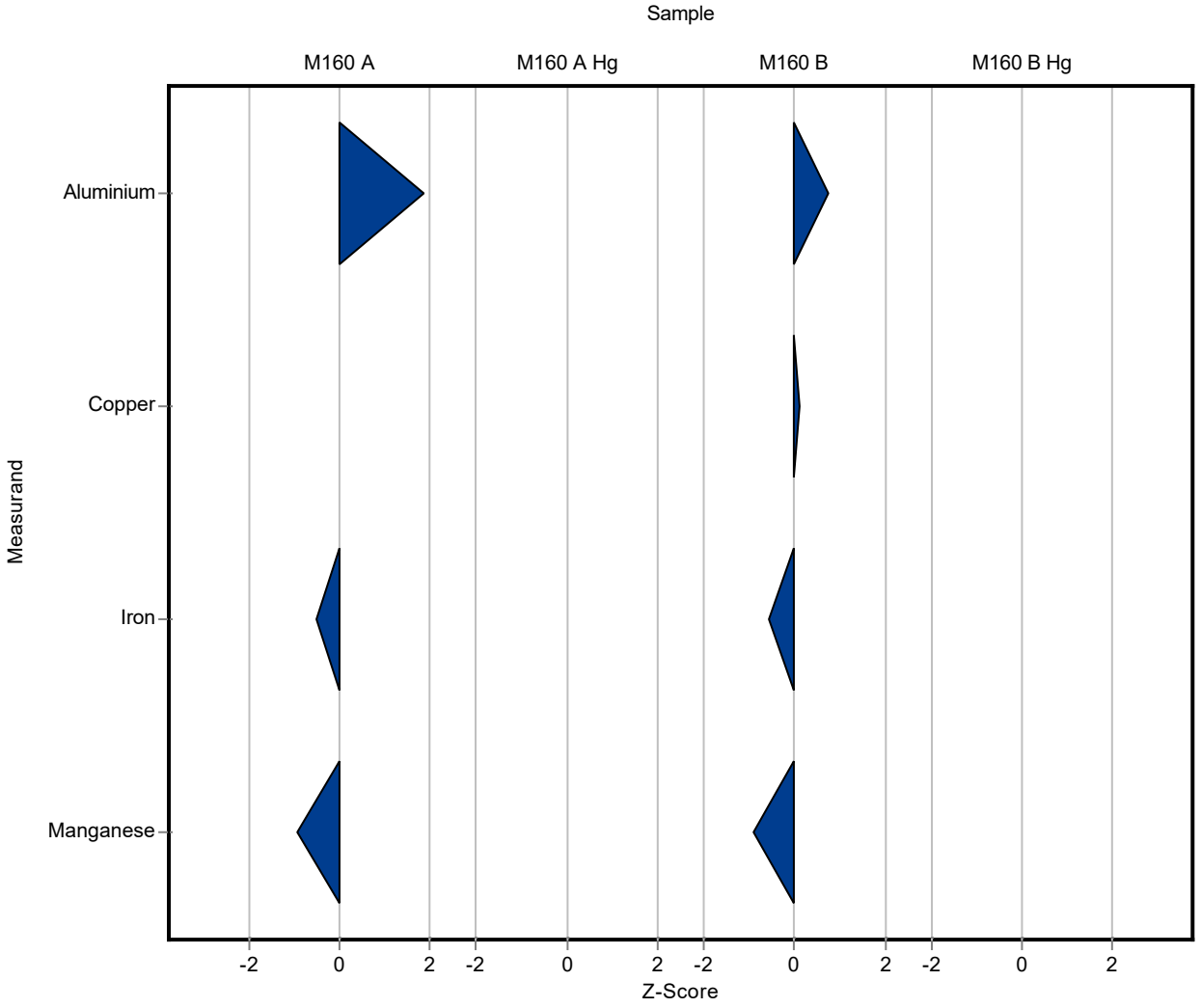
Summary of results Metals and trace elements M160

Labcode: LC0025

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Uranium	µg/l	1.72 ± 0.0429	- ± -	0.113	-	-
Zinc	µg/l	138 ± 1.77	- ± -	12.4	-	-

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	1.2 ± 0.0214	- ± -	0.168	-	-



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	36.3 ± 1.04	46.4 ± 7.9	5.45	128	0.64
Arsenic	µg/l	2.34 ± 0.0752	- ± -	0.304	-	-
Cadmium	µg/l	0.517 ± 0.0112	- ± -	0.0517	-	-
Chromium	µg/l	3.8 ± 0.0928	- ± -	0.323	-	-
Copper	µg/l	9.22 ± 0.241	<10 (LOQ) ± -199.8	0.829	-	-
Iron	µg/l	54 ± 1.38	51 ± 9	5.94	94.4	-0.17
Lead	µg/l	2.21 ± 0.0437	- ± -	0.332	-	-
Manganese	µg/l	30.1 ± 0.599	28.1 ± 5.1	2.17	93.2	-0.20
Nickel	µg/l	5.18 ± 0.152	- ± -	0.622	-	-
Selenium	µg/l	2.19 ± 0.0565	- ± -	0.262	-	-
Uranium	µg/l	3.49 ± 0.113	- ± -	0.231	-	-
Zinc	µg/l	88.5 ± 1.55	- ± -	7.97	-	-

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	0.944 ± 0.0244	- ± -	0.132	-	-

Sample: M160B

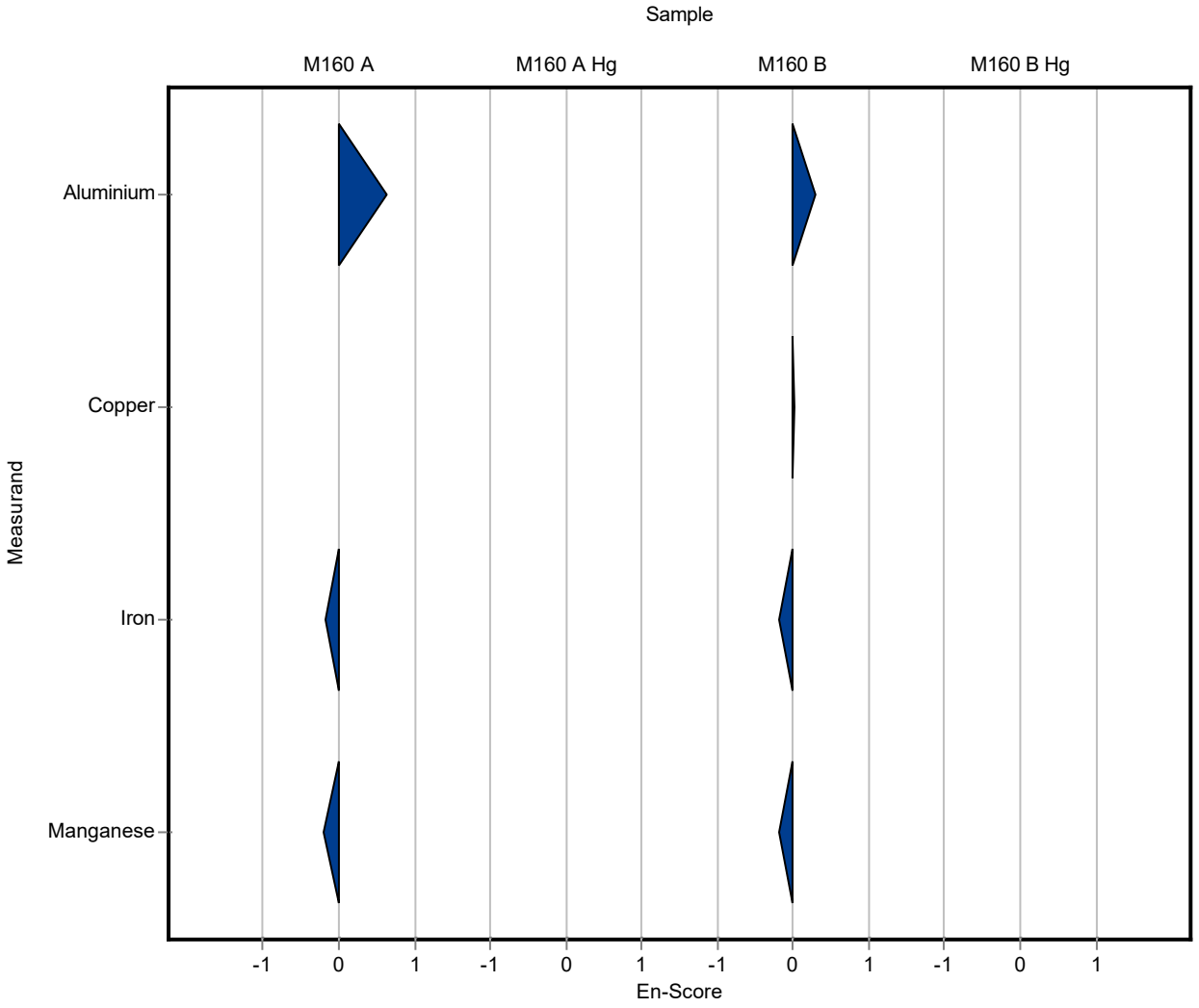
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	105 ± 2.25	117 ± 20	15.8	111	0.29
Arsenic	µg/l	5.66 ± 0.136	- ± -	0.736	-	-
Cadmium	µg/l	3.67 ± 0.0564	- ± -	0.367	-	-
Chromium	µg/l	2.21 ± 0.0559	- ± -	0.188	-	-
Copper	µg/l	60.4 ± 0.94	61 ± 11	5.44	101	0.03
Iron	µg/l	113 ± 1.78	106 ± 19	12.4	93.9	-0.18
Lead	µg/l	2.69 ± 0.0583	- ± -	0.403	-	-
Manganese	µg/l	20.7 ± 0.331	19.4 ± 3.5	1.49	93.5	-0.19
Nickel	µg/l	15.3 ± 0.317	- ± -	1.83	-	-

Summary of results Metals and trace elements M160 - En-Score Labcode: LC0025

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Selenium	µg/l	5.28 ± 0.126	- ± -	0.634	-	-
Uranium	µg/l	1.72 ± 0.0429	- ± -	0.113	-	-
Zinc	µg/l	138 ± 1.77	- ± -	12.4	-	-

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	1.2 ± 0.0214	- ± -	0.168	-	-



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	36.3 ± 1.04	34.9 ± 0.547	5.45	96.1	-0.26
Arsenic	µg/l	2.34 ± 0.0752	2.61 ± 0.0565	0.304	112	0.90
Cadmium	µg/l	0.517 ± 0.0112	0.525 ± 0.0118	0.0517	102	0.16
Chromium	µg/l	3.8 ± 0.0928	3.84 ± 0.115	0.323	101	0.11
Copper	µg/l	9.22 ± 0.241	9.28 ± 0.106	0.829	101	0.08
Iron	µg/l	54 ± 1.38	51.2 ± 0.896	5.94	94.8	-0.48
Lead	µg/l	2.21 ± 0.0437	2.41 ± 0.0489	0.332	109	0.60
Manganese	µg/l	30.1 ± 0.599	28.7 ± 0.385	2.17	95.2	-0.66
Nickel	µg/l	5.18 ± 0.152	5.15 ± 0.0919	0.622	99.3	-0.05
Selenium	µg/l	2.19 ± 0.0565	2.23 ± 0.116	0.262	102	0.17
Uranium	µg/l	3.49 ± 0.113	3.66 ± 0.0827	0.231	105	0.73
Zinc	µg/l	88.5 ± 1.55	89.3 ± 1.69	7.97	101	0.10

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	0.944 ± 0.0244	0.932 ± 0.0102	0.132	98.7	-0.09

Sample: M160B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	105 ± 2.25	104 ± 3.12	15.8	98.9	-0.07
Arsenic	µg/l	5.66 ± 0.136	5.69 ± 0.0522	0.736	101	0.04
Cadmium	µg/l	3.67 ± 0.0564	3.73 ± 0.0815	0.367	102	0.15
Chromium	µg/l	2.21 ± 0.0559	2.24 ± 0.212	0.188	101	0.17
Copper	µg/l	60.4 ± 0.94	60.6 ± 1.25	5.44	100	0.04
Iron	µg/l	113 ± 1.78	114 ± 4.76	12.4	101	0.09
Lead	µg/l	2.69 ± 0.0583	2.77 ± 0.0483	0.403	103	0.21
Manganese	µg/l	20.7 ± 0.331	20.5 ± 0.402	1.49	98.8	-0.17
Nickel	µg/l	15.3 ± 0.317	15.3 ± 0.255	1.83	100	0.01
Selenium	µg/l	5.28 ± 0.126	5.24 ± 0.106	0.634	99.2	-0.07

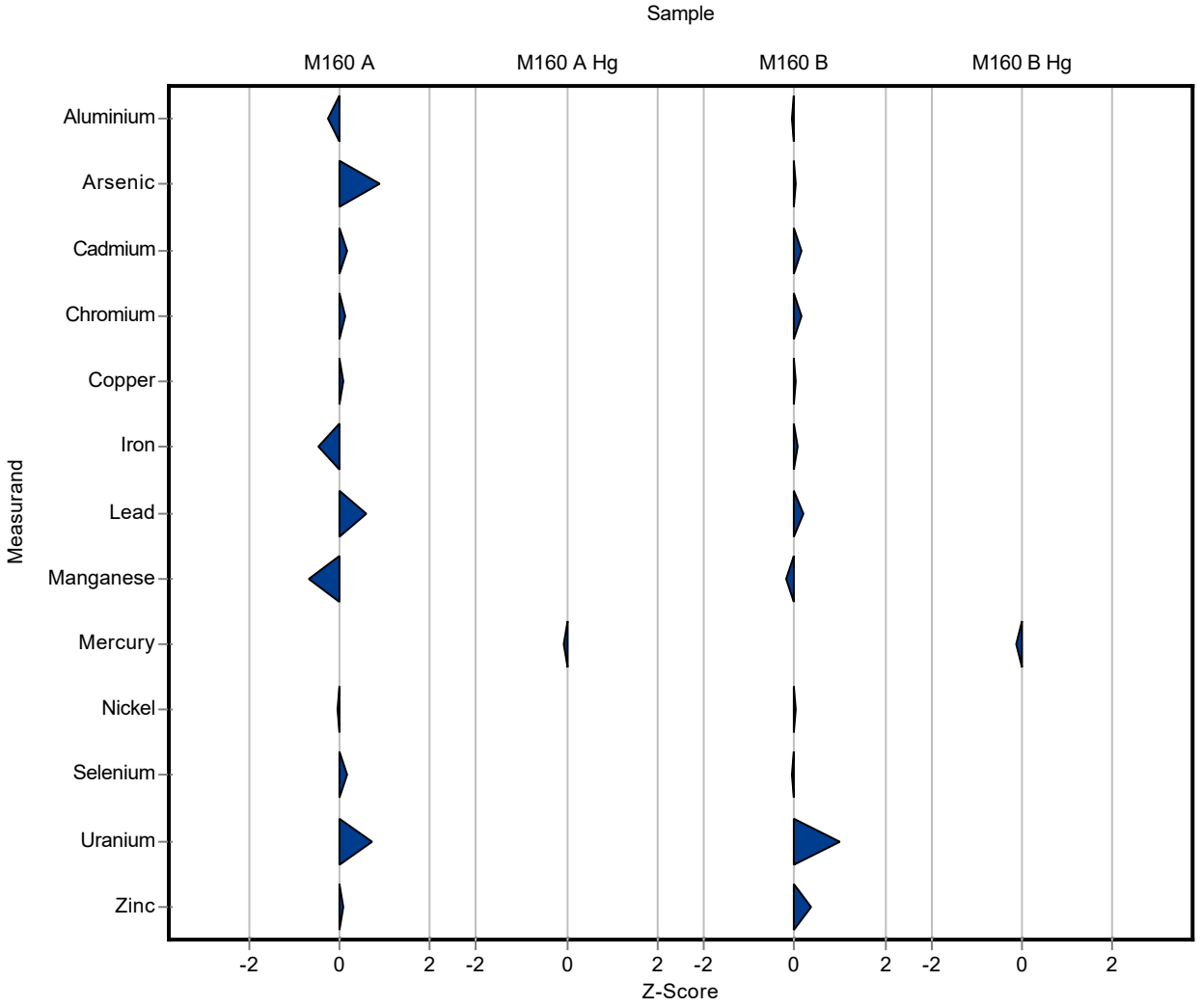
Summary of results Metals and trace elements M160

Labcode: LC0026

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Uranium	µg/l	1.72 ± 0.0429	1.83 ± 0.0903	0.113	107	1.00
Zinc	µg/l	138 ± 1.77	142 ± 1.56	12.4	103	0.35

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	1.2 ± 0.0214	1.18 ± 0.0102	0.168	98.4	-0.11



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	36.3 ± 1.04	34.9 ± 0.547	5.45	96.1	-0.93
Arsenic	µg/l	2.34 ± 0.0752	2.61 ± 0.0565	0.304	112	2.01
Cadmium	µg/l	0.517 ± 0.0112	0.525 ± 0.0118	0.0517	102	0.31
Chromium	µg/l	3.8 ± 0.0928	3.84 ± 0.115	0.323	101	0.15
Copper	µg/l	9.22 ± 0.241	9.28 ± 0.106	0.829	101	0.20
Iron	µg/l	54 ± 1.38	51.2 ± 0.896	5.94	94.8	-1.25
Lead	µg/l	2.21 ± 0.0437	2.41 ± 0.0489	0.332	109	1.86
Manganese	µg/l	30.1 ± 0.599	28.7 ± 0.385	2.17	95.2	-1.47
Nickel	µg/l	5.18 ± 0.152	5.15 ± 0.0919	0.622	99.3	-0.14
Selenium	µg/l	2.19 ± 0.0565	2.23 ± 0.116	0.262	102	0.19
Uranium	µg/l	3.49 ± 0.113	3.66 ± 0.0827	0.231	105	0.83
Zinc	µg/l	88.5 ± 1.55	89.3 ± 1.69	7.97	101	0.21

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	0.944 ± 0.0244	0.932 ± 0.0102	0.132	98.7	-0.37

Sample: M160B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	105 ± 2.25	104 ± 3.12	15.8	98.9	-0.18
Arsenic	µg/l	5.66 ± 0.136	5.69 ± 0.0522	0.736	101	0.18
Cadmium	µg/l	3.67 ± 0.0564	3.73 ± 0.0815	0.367	102	0.33
Chromium	µg/l	2.21 ± 0.0559	2.24 ± 0.212	0.188	101	0.08
Copper	µg/l	60.4 ± 0.94	60.6 ± 1.25	5.44	100	0.07
Iron	µg/l	113 ± 1.78	114 ± 4.76	12.4	101	0.11
Lead	µg/l	2.69 ± 0.0583	2.77 ± 0.0483	0.403	103	0.74
Manganese	µg/l	20.7 ± 0.331	20.5 ± 0.402	1.49	98.8	-0.29
Nickel	µg/l	15.3 ± 0.317	15.3 ± 0.255	1.83	100	0.04

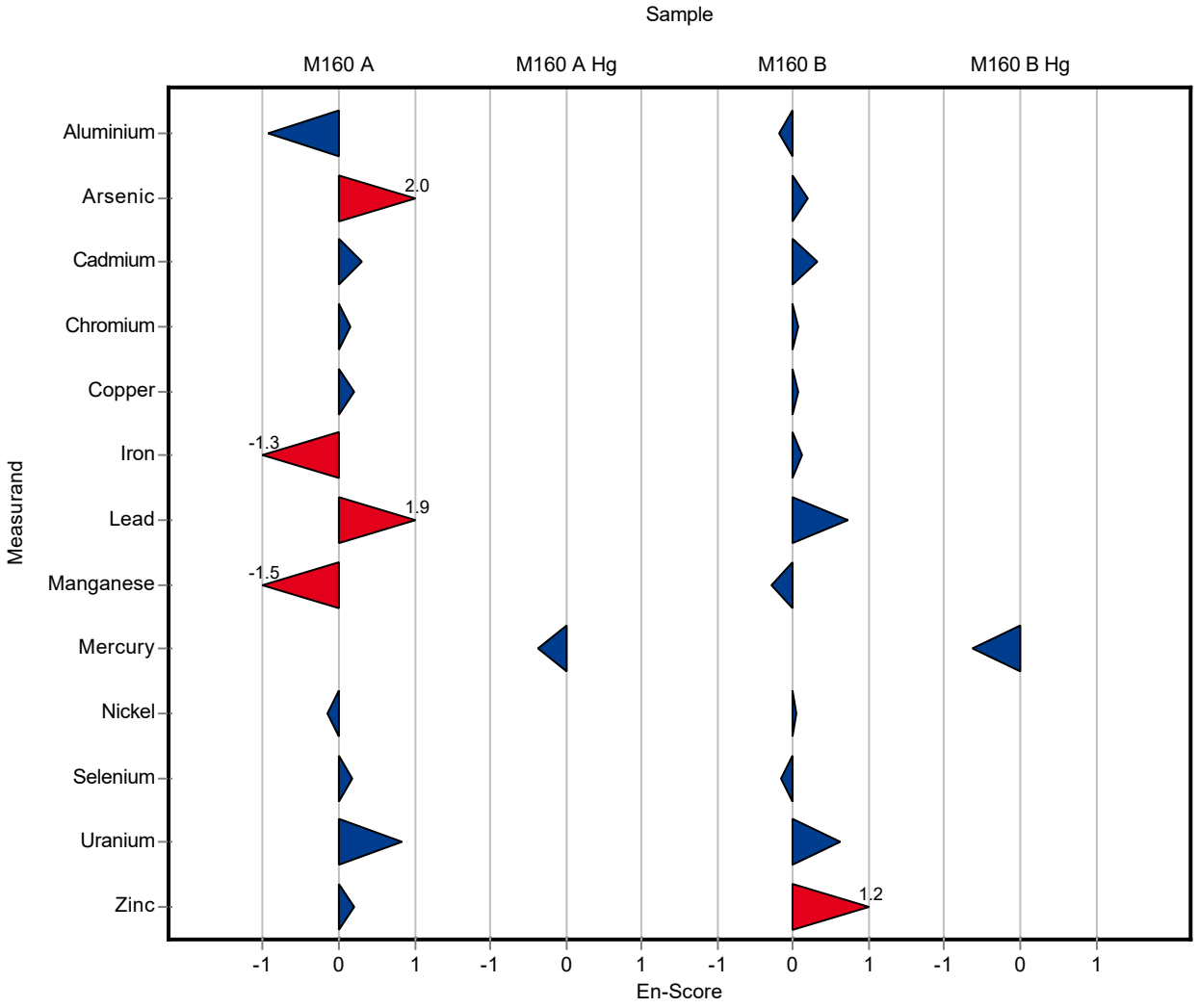
Summary of results Metals and trace elements M160 - En-Score

Labcode: LC0026

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Selenium	µg/l	5.28 ± 0.126	5.24 ± 0.106	0.634	99.2	-0.17
Uranium	µg/l	1.72 ± 0.0429	1.83 ± 0.0903	0.113	107	0.61
Zinc	µg/l	138 ± 1.77	142 ± 1.56	12.4	103	1.20

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	1.2 ± 0.0214	1.18 ± 0.0102	0.168	98.4	-0.64



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	36.3 ± 1.04	36.63 ± 3.722	5.45	101	0.06
Arsenic	µg/l	2.34 ± 0.0752	2.381 ± 0.4152	0.304	102	0.14
Cadmium	µg/l	0.517 ± 0.0112	0.529 ± 0.0482	0.0517	102	0.23
Chromium	µg/l	3.8 ± 0.0928	3.801 ± 0.6648	0.323	99.9	-0.01
Copper	µg/l	9.22 ± 0.241	8.035 ± 1.547	0.829	87.2	-1.42
Iron	µg/l	54 ± 1.38	58.72 ± 9.131	5.94	109	0.79
Lead	µg/l	2.21 ± 0.0437	2.138 ± 0.2298	0.332	96.7	-0.22
Manganese	µg/l	30.1 ± 0.599	28.52 ± 3.134	2.17	94.6	-0.75
Nickel	µg/l	5.18 ± 0.152	4.764 ± 0.7427	0.622	91.9	-0.68
Selenium	µg/l	2.19 ± 0.0565	2.036 ± 0.1602	0.262	93.2	-0.57
Uranium	µg/l	3.49 ± 0.113	3.535 ± 0.3553	0.231	101	0.18
Zinc	µg/l	88.5 ± 1.55	88.88 ± 14.61	7.97	100	0.04

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	0.944 ± 0.0244	0.915 ± 0.0942	0.132	96.9	-0.22

Sample: M160B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	105 ± 2.25	99.81 ± 10.141	15.8	94.9	-0.34
Arsenic	µg/l	5.66 ± 0.136	5.698 ± 0.9937	0.736	101	0.05
Cadmium	µg/l	3.67 ± 0.0564	3.813 ± 0.3474	0.367	104	0.38
Chromium	µg/l	2.21 ± 0.0559	2.098 ± 0.3669	0.188	95	-0.58
Copper	µg/l	60.4 ± 0.94	54.89 ± 10.566	5.44	90.9	-1.01
Iron	µg/l	113 ± 1.78	111.5 ± 17.338	12.4	98.7	-0.11
Lead	µg/l	2.69 ± 0.0583	2.65 ± 0.2849	0.403	98.6	-0.09
Manganese	µg/l	20.7 ± 0.331	19.91 ± 2.188	1.49	96	-0.56
Nickel	µg/l	15.3 ± 0.317	14.43 ± 2.25	1.83	94.5	-0.46
Selenium	µg/l	5.28 ± 0.126	5.078 ± 0.3996	0.634	96.1	-0.32

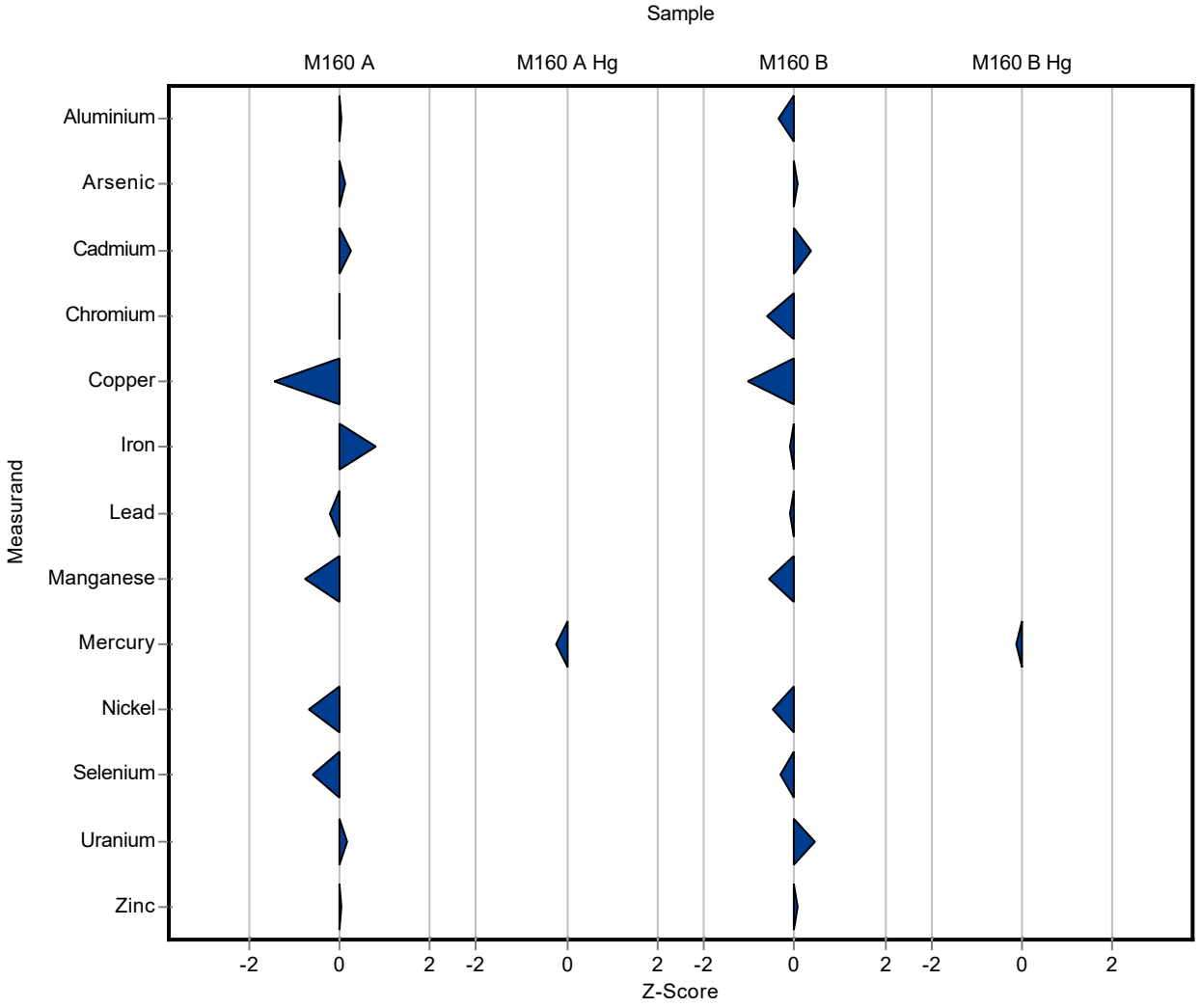
Summary of results Metals and trace elements M160

Labcode: LC0027

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Uranium	µg/l	1.72 ± 0.0429	1.768 ± 0.1777	0.113	103	0.46
Zinc	µg/l	138 ± 1.77	138.5 ± 22.77	12.4	101	0.07

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	1.2 ± 0.0214	1.178 ± 0.1212	0.168	98.3	-0.13



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	36.3 ± 1.04	36.63 ± 3.722	5.45	101	0.04
Arsenic	µg/l	2.34 ± 0.0752	2.381 ± 0.4152	0.304	102	0.05
Cadmium	µg/l	0.517 ± 0.0112	0.529 ± 0.0482	0.0517	102	0.13
Chromium	µg/l	3.8 ± 0.0928	3.801 ± 0.6648	0.323	99.9	0.00
Copper	µg/l	9.22 ± 0.241	8.035 ± 1.547	0.829	87.2	-0.38
Iron	µg/l	54 ± 1.38	58.72 ± 9.131	5.94	109	0.26
Lead	µg/l	2.21 ± 0.0437	2.138 ± 0.2298	0.332	96.7	-0.16
Manganese	µg/l	30.1 ± 0.599	28.52 ± 3.134	2.17	94.6	-0.26
Nickel	µg/l	5.18 ± 0.152	4.764 ± 0.7427	0.622	91.9	-0.28
Selenium	µg/l	2.19 ± 0.0565	2.036 ± 0.1602	0.262	93.2	-0.46
Uranium	µg/l	3.49 ± 0.113	3.535 ± 0.3553	0.231	101	0.06
Zinc	µg/l	88.5 ± 1.55	88.88 ± 14.61	7.97	100	0.01

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	0.944 ± 0.0244	0.915 ± 0.0942	0.132	96.9	-0.15

Sample: M160B

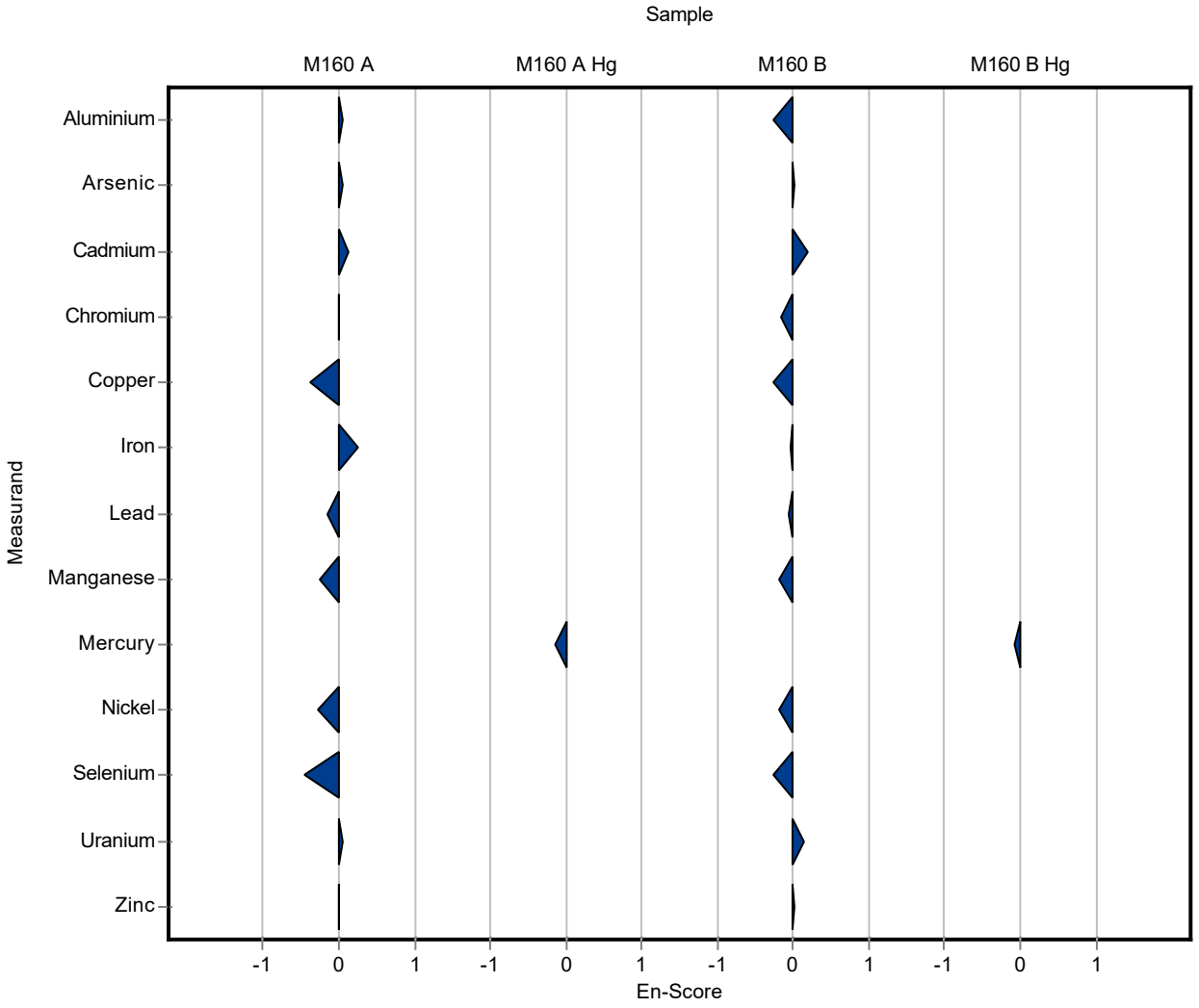
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	105 ± 2.25	99.81 ± 10.141	15.8	94.9	-0.26
Arsenic	µg/l	5.66 ± 0.136	5.698 ± 0.9937	0.736	101	0.02
Cadmium	µg/l	3.67 ± 0.0564	3.813 ± 0.3474	0.367	104	0.20
Chromium	µg/l	2.21 ± 0.0559	2.098 ± 0.3669	0.188	95	-0.15
Copper	µg/l	60.4 ± 0.94	54.89 ± 10.566	5.44	90.9	-0.26
Iron	µg/l	113 ± 1.78	111.5 ± 17.338	12.4	98.7	-0.04
Lead	µg/l	2.69 ± 0.0583	2.65 ± 0.2849	0.403	98.6	-0.06
Manganese	µg/l	20.7 ± 0.331	19.91 ± 2.188	1.49	96	-0.19
Nickel	µg/l	15.3 ± 0.317	14.43 ± 2.25	1.83	94.5	-0.19

Summary of results Metals and trace elements M160 - En-Score Labcode: LC0027

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Selenium	µg/l	5.28 ± 0.126	5.078 ± 0.3996	0.634	96.1	-0.25
Uranium	µg/l	1.72 ± 0.0429	1.768 ± 0.1777	0.113	103	0.14
Zinc	µg/l	138 ± 1.77	138.5 ± 22.77	12.4	101	0.02

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	1.2 ± 0.0214	1.178 ± 0.1212	0.168	98.3	-0.09



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	36.3 ± 1.04	34.3 ± 4.12	5.45	94.5	-0.37
Arsenic	µg/l	2.34 ± 0.0752	2.21 ± 0.177	0.304	94.5	-0.42
Cadmium	µg/l	0.517 ± 0.0112	0.478 ± 0.0383	0.0517	92.5	-0.75
Chromium	µg/l	3.8 ± 0.0928	3.96 ± 0.317	0.323	104	0.48
Copper	µg/l	9.22 ± 0.241	8.07 ± 0.565	0.829	87.6	-1.38
Iron	µg/l	54 ± 1.38	53.7 ± 9.67	5.94	99.4	-0.06
Lead	µg/l	2.21 ± 0.0437	2 ± 0.22	0.332	90.4	-0.64
Manganese	µg/l	30.1 ± 0.599	26.5 ± 3.18	2.17	87.9	-1.68
Nickel	µg/l	5.18 ± 0.152	4.52 ± 0.678	0.622	87.2	-1.07
Selenium	µg/l	2.19 ± 0.0565	2.03 ± 0.285	0.262	92.9	-0.59
Uranium	µg/l	3.49 ± 0.113	3.09 ± 0.34	0.231	88.5	-1.75
Zinc	µg/l	88.5 ± 1.55	78.9 ± 4.73	7.97	89.1	-1.21

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	0.944 ± 0.0244	0.941 ± 0.15	0.132	99.7	-0.02

Sample: M160B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	105 ± 2.25	104 ± 10.4	15.8	98.9	-0.07
Arsenic	µg/l	5.66 ± 0.136	5.42 ± 0.867	0.736	95.8	-0.32
Cadmium	µg/l	3.67 ± 0.0564	3.43 ± 0.378	0.367	93.4	-0.66
Chromium	µg/l	2.21 ± 0.0559	2.19 ± 0.461	0.188	99.2	-0.09
Copper	µg/l	60.4 ± 0.94	53.7 ± 6.97	5.44	88.9	-1.23
Iron	µg/l	113 ± 1.78	110 ± 29.7	12.4	97.4	-0.23
Lead	µg/l	2.69 ± 0.0583	2.66 ± 0.531	0.403	99	-0.07
Manganese	µg/l	20.7 ± 0.331	19.7 ± 3.35	1.49	94.9	-0.70
Nickel	µg/l	15.3 ± 0.317	14 ± 5.06	1.83	91.7	-0.69
Selenium	µg/l	5.28 ± 0.126	4.84 ± 0.727	0.634	91.6	-0.70

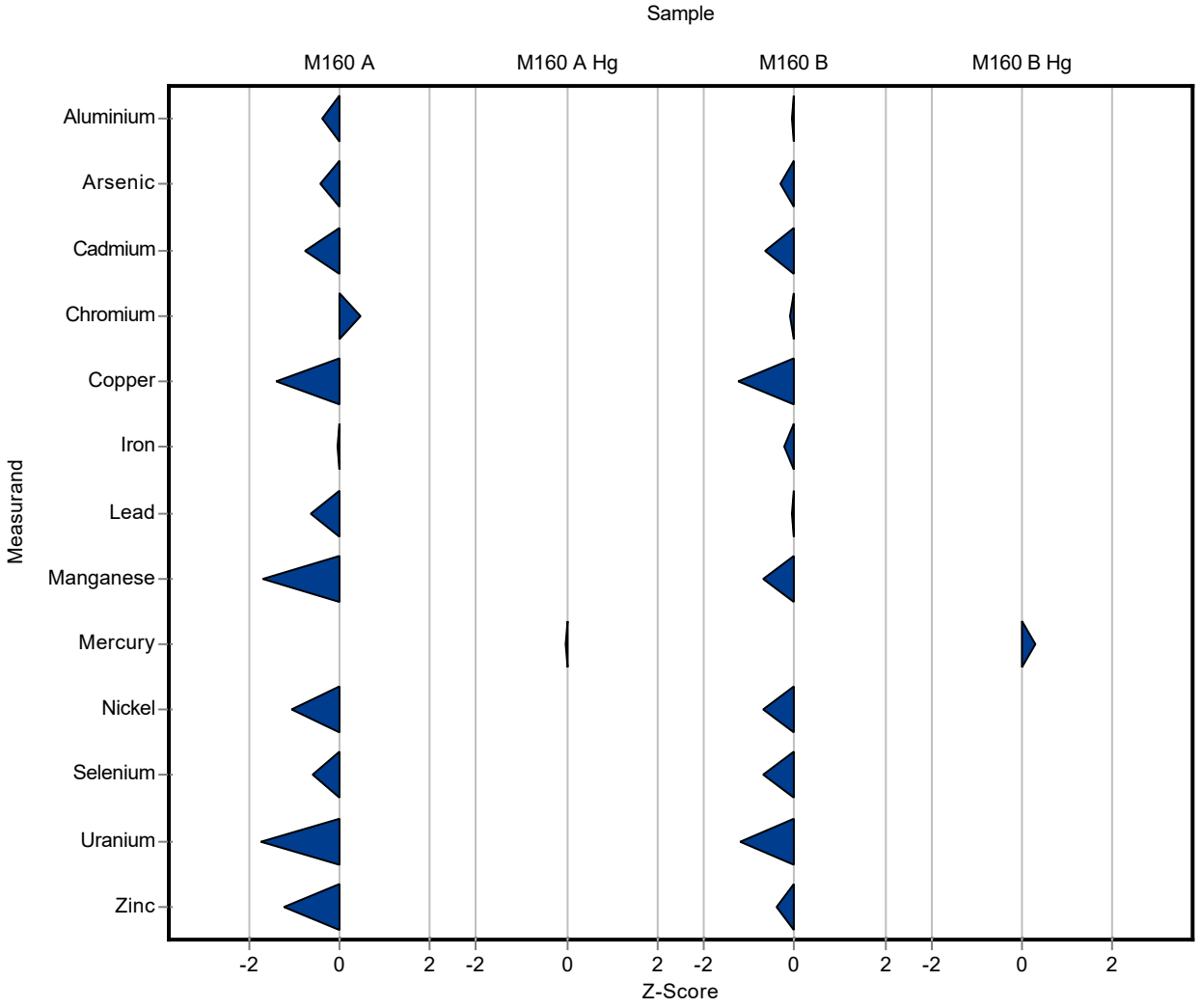
Summary of results Metals and trace elements M160

Labcode: LC0028

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Uranium	µg/l	1.72 ± 0.0429	1.58 ± 0.284	0.113	92.1	-1.20
Zinc	µg/l	138 ± 1.77	133 ± 31.9	12.4	96.6	-0.38

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	1.2 ± 0.0214	1.25 ± 0.2	0.168	104	0.30



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	36.3 ± 1.04	34.3 ± 4.12	5.45	94.5	-0.24
Arsenic	µg/l	2.34 ± 0.0752	2.21 ± 0.177	0.304	94.5	-0.35
Cadmium	µg/l	0.517 ± 0.0112	0.478 ± 0.0383	0.0517	92.5	-0.50
Chromium	µg/l	3.8 ± 0.0928	3.96 ± 0.317	0.323	104	0.24
Copper	µg/l	9.22 ± 0.241	8.07 ± 0.565	0.829	87.6	-0.99
Iron	µg/l	54 ± 1.38	53.7 ± 9.67	5.94	99.4	-0.02
Lead	µg/l	2.21 ± 0.0437	2 ± 0.22	0.332	90.4	-0.48
Manganese	µg/l	30.1 ± 0.599	26.5 ± 3.18	2.17	87.9	-0.57
Nickel	µg/l	5.18 ± 0.152	4.52 ± 0.678	0.622	87.2	-0.49
Selenium	µg/l	2.19 ± 0.0565	2.03 ± 0.285	0.262	92.9	-0.27
Uranium	µg/l	3.49 ± 0.113	3.09 ± 0.34	0.231	88.5	-0.58
Zinc	µg/l	88.5 ± 1.55	78.9 ± 4.73	7.97	89.1	-1.01

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	0.944 ± 0.0244	0.941 ± 0.15	0.132	99.7	-0.01

Sample: M160B

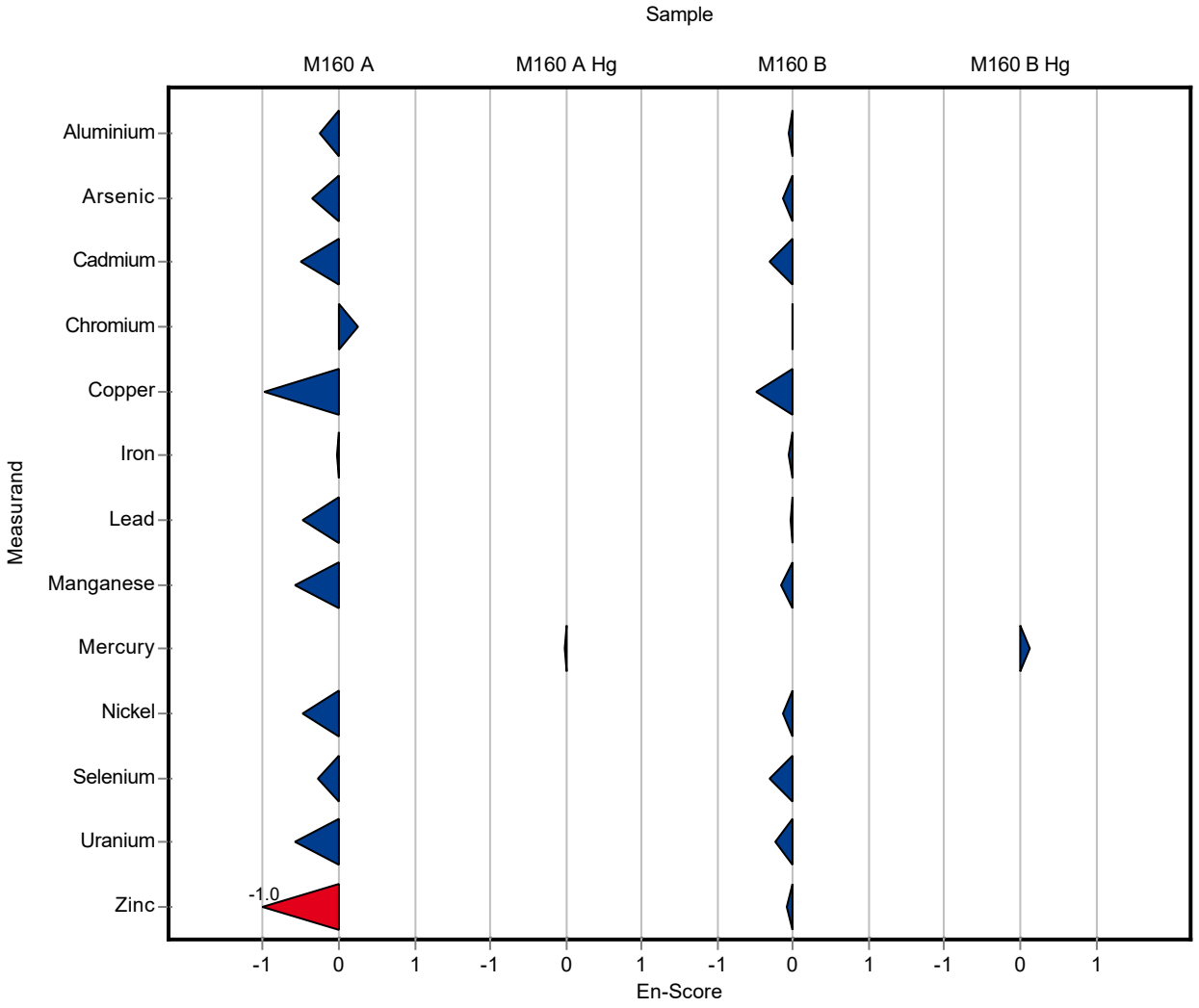
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	105 ± 2.25	104 ± 10.4	15.8	98.9	-0.06
Arsenic	µg/l	5.66 ± 0.136	5.42 ± 0.867	0.736	95.8	-0.14
Cadmium	µg/l	3.67 ± 0.0564	3.43 ± 0.378	0.367	93.4	-0.32
Chromium	µg/l	2.21 ± 0.0559	2.19 ± 0.461	0.188	99.2	-0.02
Copper	µg/l	60.4 ± 0.94	53.7 ± 6.97	5.44	88.9	-0.48
Iron	µg/l	113 ± 1.78	110 ± 29.7	12.4	97.4	-0.05
Lead	µg/l	2.69 ± 0.0583	2.66 ± 0.531	0.403	99	-0.03
Manganese	µg/l	20.7 ± 0.331	19.7 ± 3.35	1.49	94.9	-0.16
Nickel	µg/l	15.3 ± 0.317	14 ± 5.06	1.83	91.7	-0.13

Summary of results Metals and trace elements M160 - En-Score Labcode: LC0028

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Selenium	µg/l	5.28 ± 0.126	4.84 ± 0.727	0.634	91.6	-0.30
Uranium	µg/l	1.72 ± 0.0429	1.58 ± 0.284	0.113	92.1	-0.24
Zinc	µg/l	138 ± 1.77	133 ± 31.9	12.4	96.6	-0.07

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	1.2 ± 0.0214	1.25 ± 0.2	0.168	104	0.13



Summary of results Metals and trace elements M160

Labcode: LC0029

Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	36.3 ± 1.04	37.1 ± 1.9	5.45	102	0.14
Arsenic	µg/l	2.34 ± 0.0752	2.24 ± 0.2	0.304	95.8	-0.32
Cadmium	µg/l	0.517 ± 0.0112	0.553 ± 0.05	0.0517	107	0.70
Chromium	µg/l	3.8 ± 0.0928	3.99 ± 0.2	0.323	105	0.58
Copper	µg/l	9.22 ± 0.241	9.71 ± 0.5	0.829	105	0.60
Iron	µg/l	54 ± 1.38	53.6 ± 3.3	5.94	99.2	-0.07
Lead	µg/l	2.21 ± 0.0437	2.38 ± 0.2	0.332	108	0.51
Manganese	µg/l	30.1 ± 0.599	32.5 ± 1.6	2.17	108	1.09
Nickel	µg/l	5.18 ± 0.152	5.22 ± 0.26	0.622	101	0.06
Selenium	µg/l	2.19 ± 0.0565	2.2 ± 0.2	0.262	101	0.06
Uranium	µg/l	3.49 ± 0.113	3.82 ± 0.35	0.231	109	1.42
Zinc	µg/l	88.5 ± 1.55	91.9 ± 4.6	7.97	104	0.42

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	0.944 ± 0.0244	0.885 ± 0.08	0.132	93.8	-0.45

Sample: M160B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	105 ± 2.25	108 ± 5	15.8	103	0.18
Arsenic	µg/l	5.66 ± 0.136	5.57 ± 0.5	0.736	98.4	-0.12
Cadmium	µg/l	3.67 ± 0.0564	3.87 ± 0.4	0.367	105	0.54
Chromium	µg/l	2.21 ± 0.0559	2.26 ± 0.2	0.188	102	0.28
Copper	µg/l	60.4 ± 0.94	64.2 ± 3.2	5.44	106	0.70
Iron	µg/l	113 ± 1.78	113 ± 7	12.4	100	0.01
Lead	µg/l	2.69 ± 0.0583	2.96 ± 0.25	0.403	110	0.68
Manganese	µg/l	20.7 ± 0.331	22.3 ± 1.1	1.49	107	1.04
Nickel	µg/l	15.3 ± 0.317	16.2 ± 0.81	1.83	106	0.51
Selenium	µg/l	5.28 ± 0.126	5.25 ± 0.5	0.634	99.4	-0.05

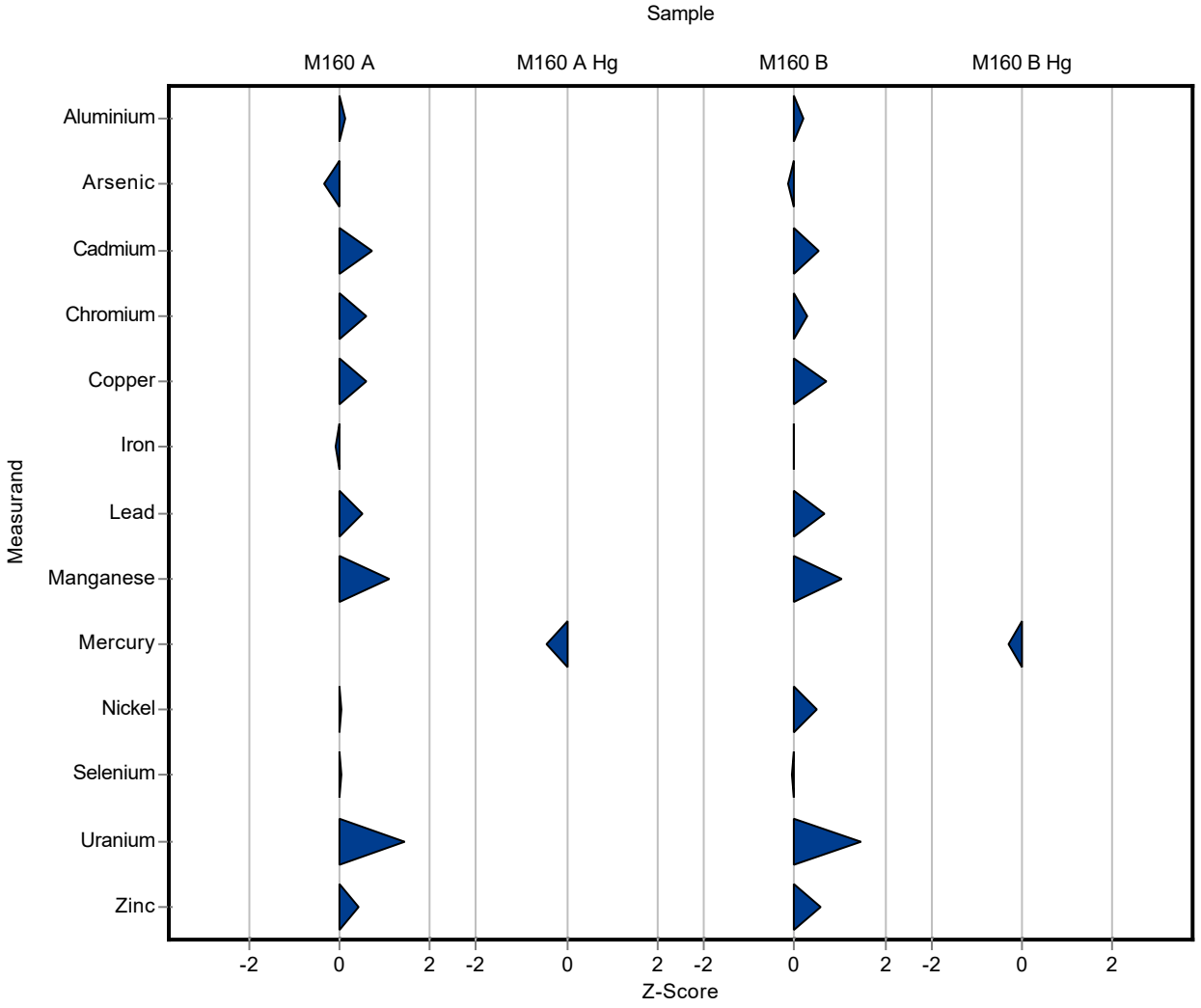
Summary of results Metals and trace elements M160

Labcode: LC0029

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Uranium	µg/l	1.72 ± 0.0429	1.88 ± 0.2	0.113	110	1.45
Zinc	µg/l	138 ± 1.77	145 ± 7	12.4	105	0.59

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	1.2 ± 0.0214	1.15 ± 0.1	0.168	95.9	-0.29



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	36.3 ± 1.04	37.1 ± 1.9	5.45	102	0.20
Arsenic	µg/l	2.34 ± 0.0752	2.24 ± 0.2	0.304	95.8	-0.24
Cadmium	µg/l	0.517 ± 0.0112	0.553 ± 0.05	0.0517	107	0.36
Chromium	µg/l	3.8 ± 0.0928	3.99 ± 0.2	0.323	105	0.45
Copper	µg/l	9.22 ± 0.241	9.71 ± 0.5	0.829	105	0.48
Iron	µg/l	54 ± 1.38	53.6 ± 3.3	5.94	99.2	-0.06
Lead	µg/l	2.21 ± 0.0437	2.38 ± 0.2	0.332	108	0.42
Manganese	µg/l	30.1 ± 0.599	32.5 ± 1.6	2.17	108	0.72
Nickel	µg/l	5.18 ± 0.152	5.22 ± 0.26	0.622	101	0.07
Selenium	µg/l	2.19 ± 0.0565	2.2 ± 0.2	0.262	101	0.04
Uranium	µg/l	3.49 ± 0.113	3.82 ± 0.35	0.231	109	0.46
Zinc	µg/l	88.5 ± 1.55	91.9 ± 4.6	7.97	104	0.36

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	0.944 ± 0.0244	0.885 ± 0.08	0.132	93.8	-0.36

Sample: M160B

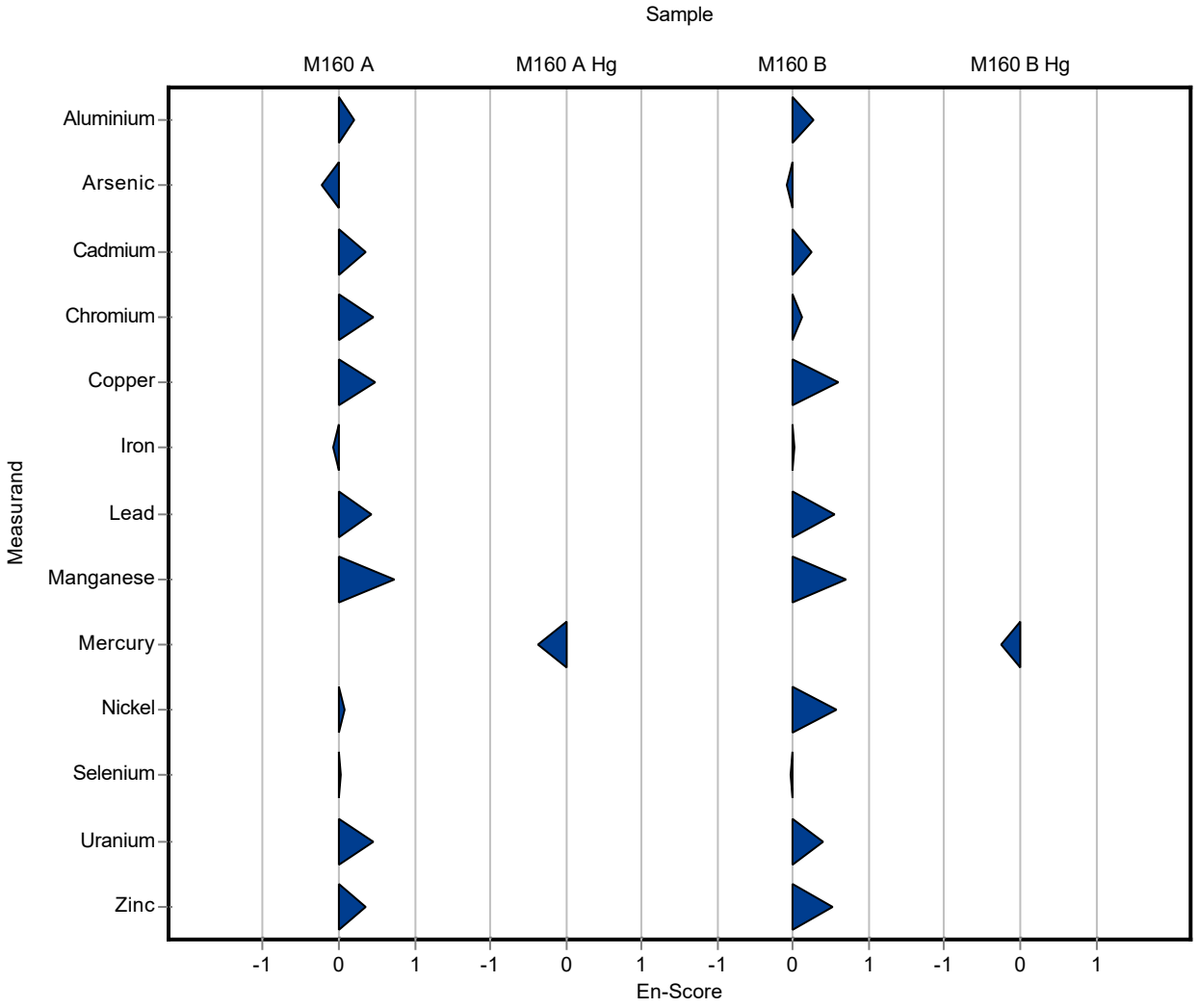
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	105 ± 2.25	108 ± 5	15.8	103	0.28
Arsenic	µg/l	5.66 ± 0.136	5.57 ± 0.5	0.736	98.4	-0.09
Cadmium	µg/l	3.67 ± 0.0564	3.87 ± 0.4	0.367	105	0.25
Chromium	µg/l	2.21 ± 0.0559	2.26 ± 0.2	0.188	102	0.13
Copper	µg/l	60.4 ± 0.94	64.2 ± 3.2	5.44	106	0.59
Iron	µg/l	113 ± 1.78	113 ± 7	12.4	100	0.01
Lead	µg/l	2.69 ± 0.0583	2.96 ± 0.25	0.403	110	0.54
Manganese	µg/l	20.7 ± 0.331	22.3 ± 1.1	1.49	107	0.70
Nickel	µg/l	15.3 ± 0.317	16.2 ± 0.81	1.83	106	0.56

Summary of results Metals and trace elements M160 - En-Score Labcode: LC0029

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Selenium	µg/l	5.28 ± 0.126	5.25 ± 0.5	0.634	99.4	-0.03
Uranium	µg/l	1.72 ± 0.0429	1.88 ± 0.2	0.113	110	0.41
Zinc	µg/l	138 ± 1.77	145 ± 7	12.4	105	0.52

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	1.2 ± 0.0214	1.15 ± 0.1	0.168	95.9	-0.24



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	36.3 ± 1.04	49.5 ± 7.42	5.45	136	2.42
Arsenic	µg/l	2.34 ± 0.0752	2.08 ± 0.312	0.304	89	-0.85
Cadmium	µg/l	0.517 ± 0.0112	0.507 ± 0.07	0.0517	98.1	-0.19
Chromium	µg/l	3.8 ± 0.0928	3.72 ± 0.56	0.323	97.8	-0.26
Copper	µg/l	9.22 ± 0.241	13.5 ± 2.03	0.829	146	5.17
Iron	µg/l	54 ± 1.38	53.2 ± 7.98	5.94	98.5	-0.14
Lead	µg/l	2.21 ± 0.0437	0.955 ± 0.143	0.332	43.2	-3.79
Manganese	µg/l	30.1 ± 0.599	30.8 ± 4.62	2.17	102	0.30
Nickel	µg/l	5.18 ± 0.152	5.65 ± 0.85	0.622	109	0.75
Selenium	µg/l	2.19 ± 0.0565	- ± -	0.262	-	-
Uranium	µg/l	3.49 ± 0.113	- ± -	0.231	-	-
Zinc	µg/l	88.5 ± 1.55	94.2 ± 14.13	7.97	106	0.71

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	0.944 ± 0.0244	- ± -	0.132	-	-

Sample: M160B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	105 ± 2.25	130 ± 19.5	15.8	124	1.57
Arsenic	µg/l	5.66 ± 0.136	4.27 ± 0.64	0.736	75.5	-1.89
Cadmium	µg/l	3.67 ± 0.0564	3.85 ± 0.58	0.367	105	0.48
Chromium	µg/l	2.21 ± 0.0559	0.976 ± 0.146	0.188	44.2	-6.56
Copper	µg/l	60.4 ± 0.94	59.3 ± 8.89	5.44	98.2	-0.20
Iron	µg/l	113 ± 1.78	113 ± 16.9	12.4	100	0.01
Lead	µg/l	2.69 ± 0.0583	2.32 ± 0.348	0.403	86.3	-0.91
Manganese	µg/l	20.7 ± 0.331	19.4 ± 2.91	1.49	93.5	-0.90
Nickel	µg/l	15.3 ± 0.317	19.5 ± 2.92	1.83	128	2.31
Selenium	µg/l	5.28 ± 0.126	- ± -	0.634	-	-

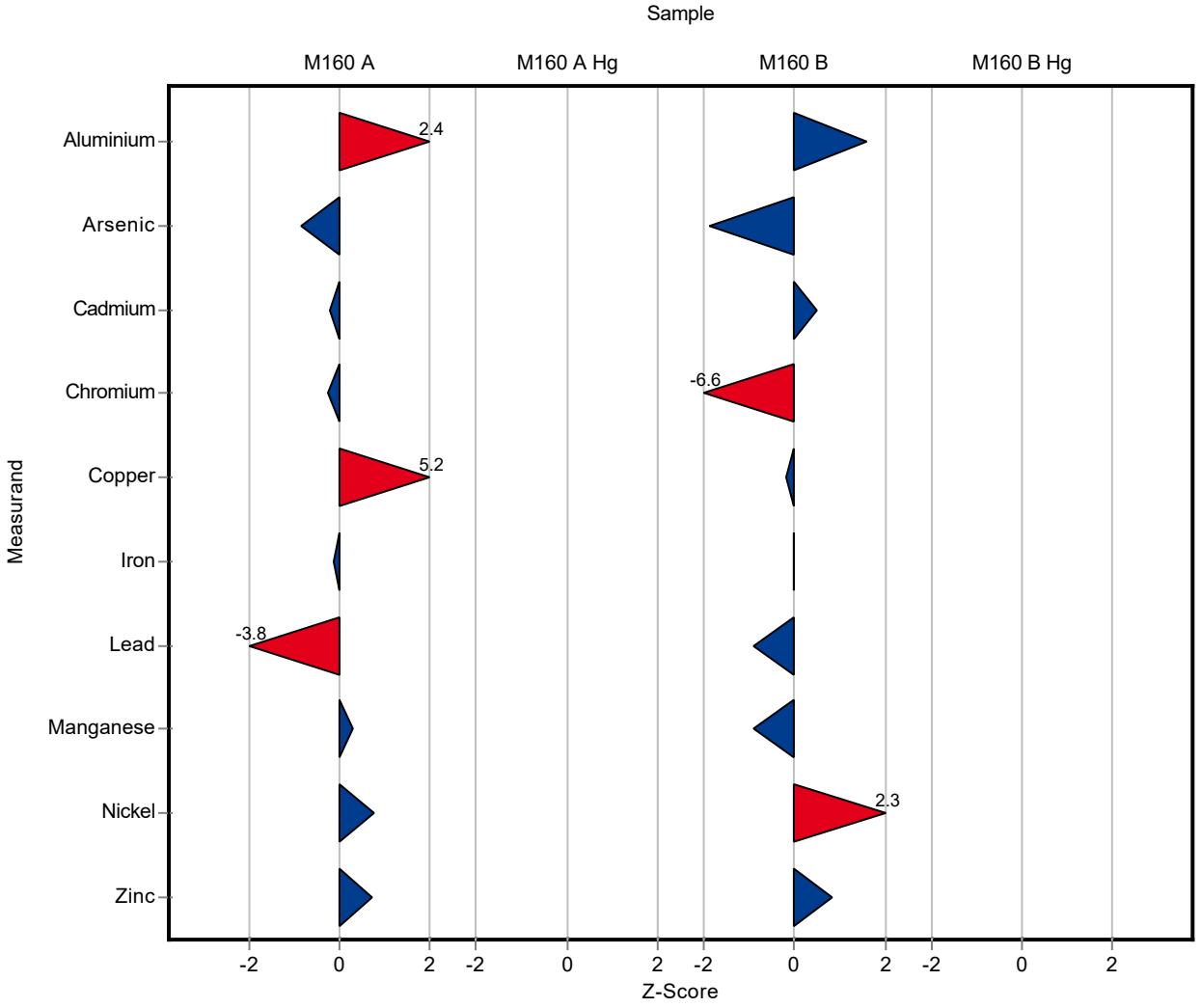
Summary of results Metals and trace elements M160

Labcode: LC0030

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Uranium	µg/l	1.72 ± 0.0429	- ± -	0.113	-	-
Zinc	µg/l	138 ± 1.77	148 ± 22.2	12.4	107	0.83

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	1.2 ± 0.0214	- ± -	0.168	-	-



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	36.3 ± 1.04	49.5 ± 7.42	5.45	136	0.89
Arsenic	µg/l	2.34 ± 0.0752	2.08 ± 0.312	0.304	89	-0.41
Cadmium	µg/l	0.517 ± 0.0112	0.507 ± 0.07	0.0517	98.1	-0.07
Chromium	µg/l	3.8 ± 0.0928	3.72 ± 0.56	0.323	97.8	-0.07
Copper	µg/l	9.22 ± 0.241	13.5 ± 2.03	0.829	146	1.05
Iron	µg/l	54 ± 1.38	53.2 ± 7.98	5.94	98.5	-0.05
Lead	µg/l	2.21 ± 0.0437	0.955 ± 0.143	0.332	43.2	-4.34
Manganese	µg/l	30.1 ± 0.599	30.8 ± 4.62	2.17	102	0.07
Nickel	µg/l	5.18 ± 0.152	5.65 ± 0.85	0.622	109	0.27
Selenium	µg/l	2.19 ± 0.0565	- ± -	0.262	-	-
Uranium	µg/l	3.49 ± 0.113	- ± -	0.231	-	-
Zinc	µg/l	88.5 ± 1.55	94.2 ± 14.13	7.97	106	0.20

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	0.944 ± 0.0244	- ± -	0.132	-	-

Sample: M160B

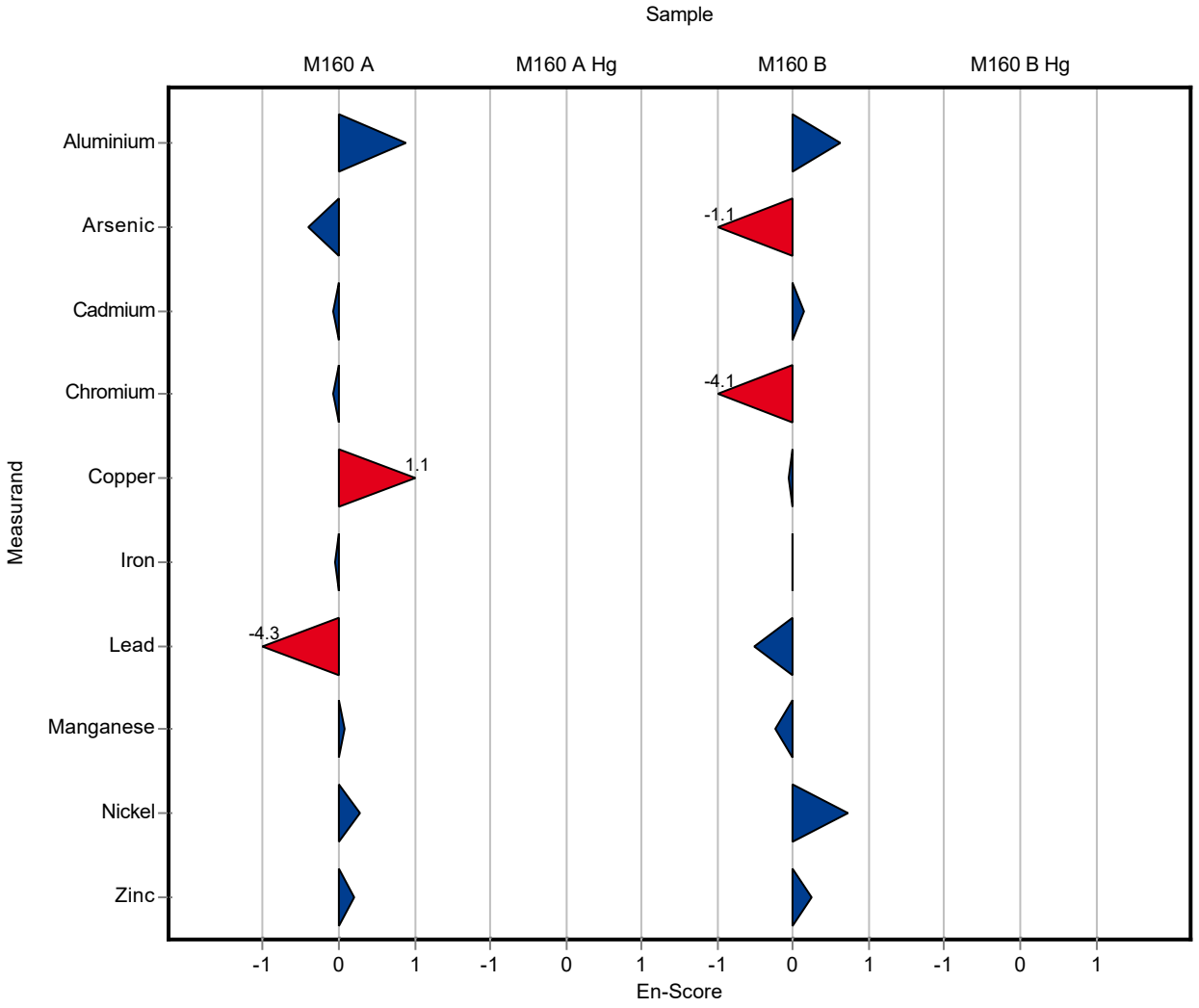
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	105 ± 2.25	130 ± 19.5	15.8	124	0.64
Arsenic	µg/l	5.66 ± 0.136	4.27 ± 0.64	0.736	75.5	-1.08
Cadmium	µg/l	3.67 ± 0.0564	3.85 ± 0.58	0.367	105	0.15
Chromium	µg/l	2.21 ± 0.0559	0.976 ± 0.146	0.188	44.2	-4.14
Copper	µg/l	60.4 ± 0.94	59.3 ± 8.89	5.44	98.2	-0.06
Iron	µg/l	113 ± 1.78	113 ± 16.9	12.4	100	0.00
Lead	µg/l	2.69 ± 0.0583	2.32 ± 0.348	0.403	86.3	-0.53
Manganese	µg/l	20.7 ± 0.331	19.4 ± 2.91	1.49	93.5	-0.23
Nickel	µg/l	15.3 ± 0.317	19.5 ± 2.92	1.83	128	0.72

Summary of results Metals and trace elements M160 - En-Score Labcode: LC0030

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Selenium	µg/l	5.28 ± 0.126	- ± -	0.634	-	-
Uranium	µg/l	1.72 ± 0.0429	- ± -	0.113	-	-
Zinc	µg/l	138 ± 1.77	148 ± 22.2	12.4	107	0.23

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	1.2 ± 0.0214	- ± -	0.168	-	-



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	36.3 ± 1.04	36.03 ± 3.603	5.45	99.2	-0.05
Arsenic	µg/l	2.34 ± 0.0752	- ± -	0.304	-	-
Cadmium	µg/l	0.517 ± 0.0112	- ± -	0.0517	-	-
Chromium	µg/l	3.8 ± 0.0928	- ± -	0.323	-	-
Copper	µg/l	9.22 ± 0.241	- ± -	0.829	-	-
Iron	µg/l	54 ± 1.38	51.54 ± 5.154	5.94	95.4	-0.42
Lead	µg/l	2.21 ± 0.0437	- ± -	0.332	-	-
Manganese	µg/l	30.1 ± 0.599	27.92 ± 2.792	2.17	92.6	-1.02
Nickel	µg/l	5.18 ± 0.152	- ± -	0.622	-	-
Selenium	µg/l	2.19 ± 0.0565	- ± -	0.262	-	-
Uranium	µg/l	3.49 ± 0.113	- ± -	0.231	-	-
Zinc	µg/l	88.5 ± 1.55	87.04 ± 8.704	7.97	98.3	-0.19

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	0.944 ± 0.0244	1.104 ± 0.1104	0.132	117	1.21

Sample: M160B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	105 ± 2.25	102 ± 10.2	15.8	97	-0.20
Arsenic	µg/l	5.66 ± 0.136	- ± -	0.736	-	-
Cadmium	µg/l	3.67 ± 0.0564	- ± -	0.367	-	-
Chromium	µg/l	2.21 ± 0.0559	- ± -	0.188	-	-
Copper	µg/l	60.4 ± 0.94	- ± -	5.44	-	-
Iron	µg/l	113 ± 1.78	108.4 ± 10.84	12.4	96	-0.36
Lead	µg/l	2.69 ± 0.0583	- ± -	0.403	-	-
Manganese	µg/l	20.7 ± 0.331	19.91 ± 1.991	1.49	96	-0.56
Nickel	µg/l	15.3 ± 0.317	- ± -	1.83	-	-
Selenium	µg/l	5.28 ± 0.126	- ± -	0.634	-	-

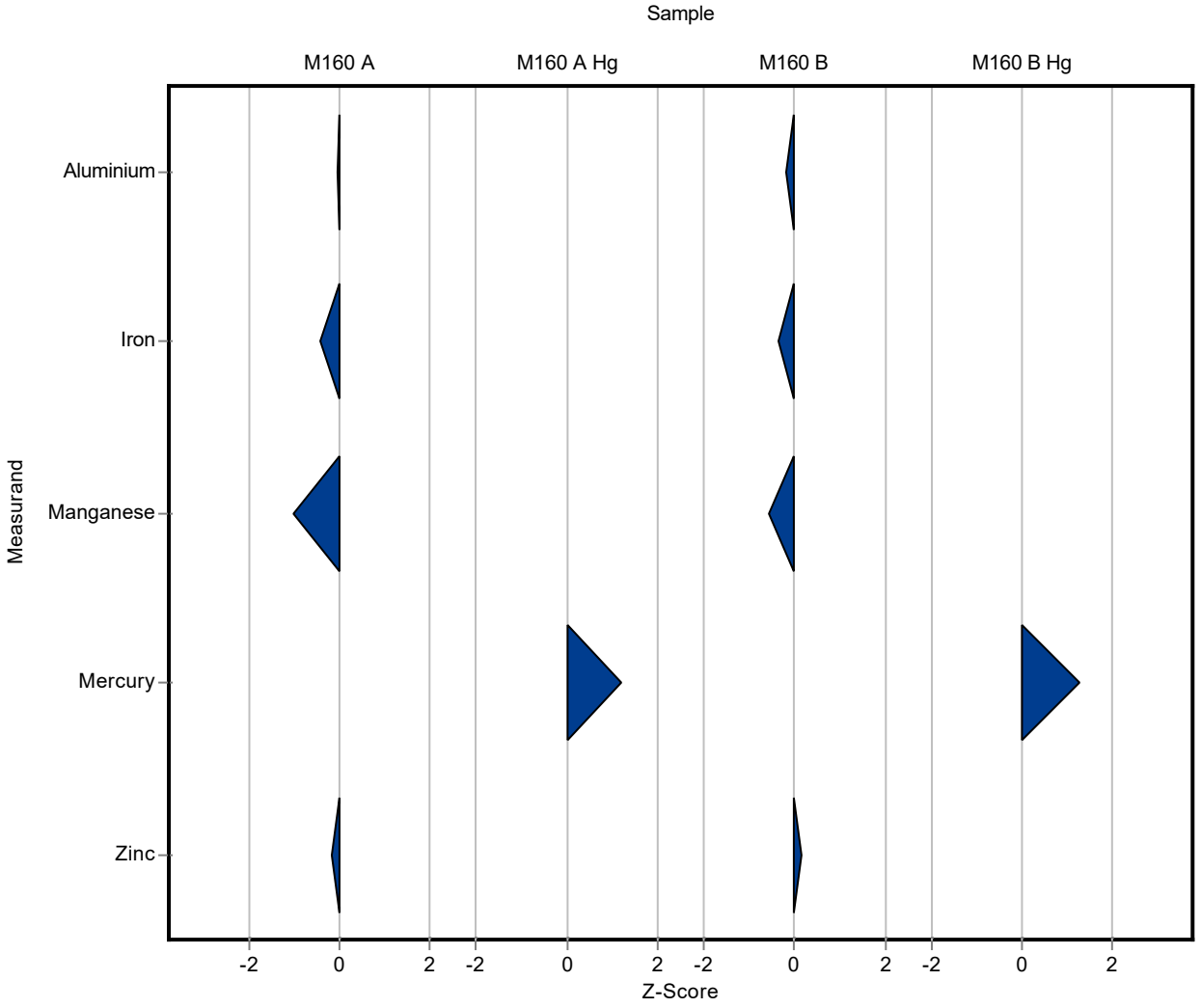
Summary of results Metals and trace elements M160

Labcode: LC0031

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Uranium	µg/l	1.72 ± 0.0429	- ± -	0.113	-	-
Zinc	µg/l	138 ± 1.77	139.7 ± 13.97	12.4	101	0.16

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	1.2 ± 0.0214	1.413 ± 0.1413	0.168	118	1.28



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	36.3 ± 1.04	36.03 ± 3.603	5.45	99.2	-0.04
Arsenic	µg/l	2.34 ± 0.0752	- ± -	0.304	-	-
Cadmium	µg/l	0.517 ± 0.0112	- ± -	0.0517	-	-
Chromium	µg/l	3.8 ± 0.0928	- ± -	0.323	-	-
Copper	µg/l	9.22 ± 0.241	- ± -	0.829	-	-
Iron	µg/l	54 ± 1.38	51.54 ± 5.154	5.94	95.4	-0.24
Lead	µg/l	2.21 ± 0.0437	- ± -	0.332	-	-
Manganese	µg/l	30.1 ± 0.599	27.92 ± 2.792	2.17	92.6	-0.40
Nickel	µg/l	5.18 ± 0.152	- ± -	0.622	-	-
Selenium	µg/l	2.19 ± 0.0565	- ± -	0.262	-	-
Uranium	µg/l	3.49 ± 0.113	- ± -	0.231	-	-
Zinc	µg/l	88.5 ± 1.55	87.04 ± 8.704	7.97	98.3	-0.09

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	0.944 ± 0.0244	1.104 ± 0.1104	0.132	117	0.72

Sample: M160B

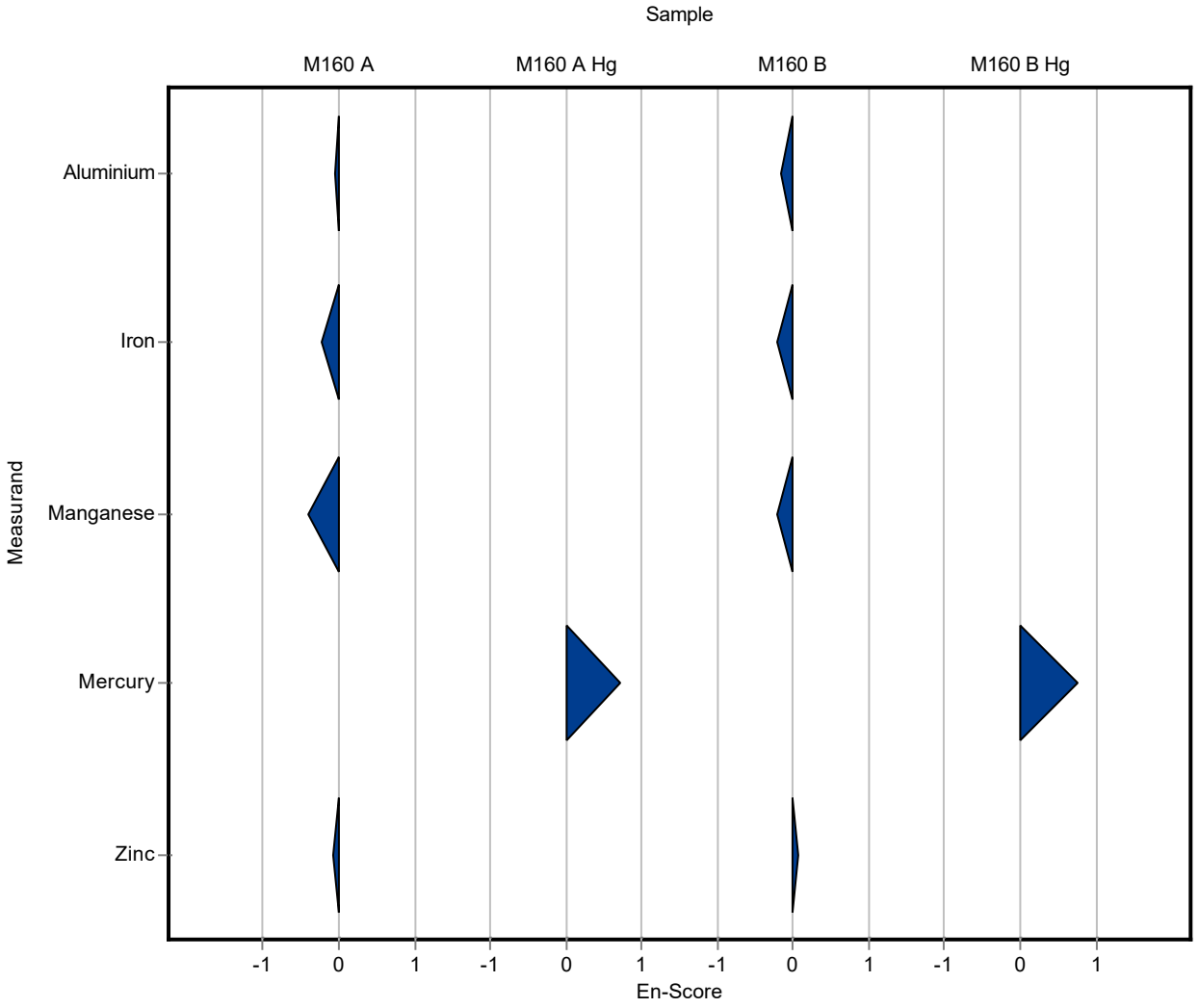
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	105 ± 2.25	102 ± 10.2	15.8	97	-0.15
Arsenic	µg/l	5.66 ± 0.136	- ± -	0.736	-	-
Cadmium	µg/l	3.67 ± 0.0564	- ± -	0.367	-	-
Chromium	µg/l	2.21 ± 0.0559	- ± -	0.188	-	-
Copper	µg/l	60.4 ± 0.94	- ± -	5.44	-	-
Iron	µg/l	113 ± 1.78	108.4 ± 10.84	12.4	96	-0.21
Lead	µg/l	2.69 ± 0.0583	- ± -	0.403	-	-
Manganese	µg/l	20.7 ± 0.331	19.91 ± 1.991	1.49	96	-0.21
Nickel	µg/l	15.3 ± 0.317	- ± -	1.83	-	-

Summary of results Metals and trace elements M160 - En-Score Labcode: LC0031

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Selenium	µg/l	5.28 ± 0.126	- ± -	0.634	-	-
Uranium	µg/l	1.72 ± 0.0429	- ± -	0.113	-	-
Zinc	µg/l	138 ± 1.77	139.7 ± 13.97	12.4	101	0.07

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	1.2 ± 0.0214	1.413 ± 0.1413	0.168	118	0.76



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	36.3 ± 1.04	- ± -	5.45	-	-
Arsenic	µg/l	2.34 ± 0.0752	- ± -	0.304	-	-
Cadmium	µg/l	0.517 ± 0.0112	0.554 ± 0.05	0.0517	107	0.72
Chromium	µg/l	3.8 ± 0.0928	- ± -	0.323	-	-
Copper	µg/l	9.22 ± 0.241	9.518 ± 0.66	0.829	103	0.36
Iron	µg/l	54 ± 1.38	- ± -	5.94	-	-
Lead	µg/l	2.21 ± 0.0437	2.225 ± 0.24	0.332	101	0.04
Manganese	µg/l	30.1 ± 0.599	- ± -	2.17	-	-
Nickel	µg/l	5.18 ± 0.152	- ± -	0.622	-	-
Selenium	µg/l	2.19 ± 0.0565	- ± -	0.262	-	-
Uranium	µg/l	3.49 ± 0.113	- ± -	0.231	-	-
Zinc	µg/l	88.5 ± 1.55	91.51 ± 6.41	7.97	103	0.37

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	0.944 ± 0.0244	- ± -	0.132	-	-

Sample: M160B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	105 ± 2.25	- ± -	15.8	-	-
Arsenic	µg/l	5.66 ± 0.136	- ± -	0.736	-	-
Cadmium	µg/l	3.67 ± 0.0564	3.676 ± 0.33	0.367	100	0.01
Chromium	µg/l	2.21 ± 0.0559	- ± -	0.188	-	-
Copper	µg/l	60.4 ± 0.94	60.74 ± 4.2	5.44	101	0.06
Iron	µg/l	113 ± 1.78	- ± -	12.4	-	-
Lead	µg/l	2.69 ± 0.0583	2.681 ± 0.29	0.403	99.8	-0.01
Manganese	µg/l	20.7 ± 0.331	- ± -	1.49	-	-
Nickel	µg/l	15.3 ± 0.317	- ± -	1.83	-	-
Selenium	µg/l	5.28 ± 0.126	- ± -	0.634	-	-

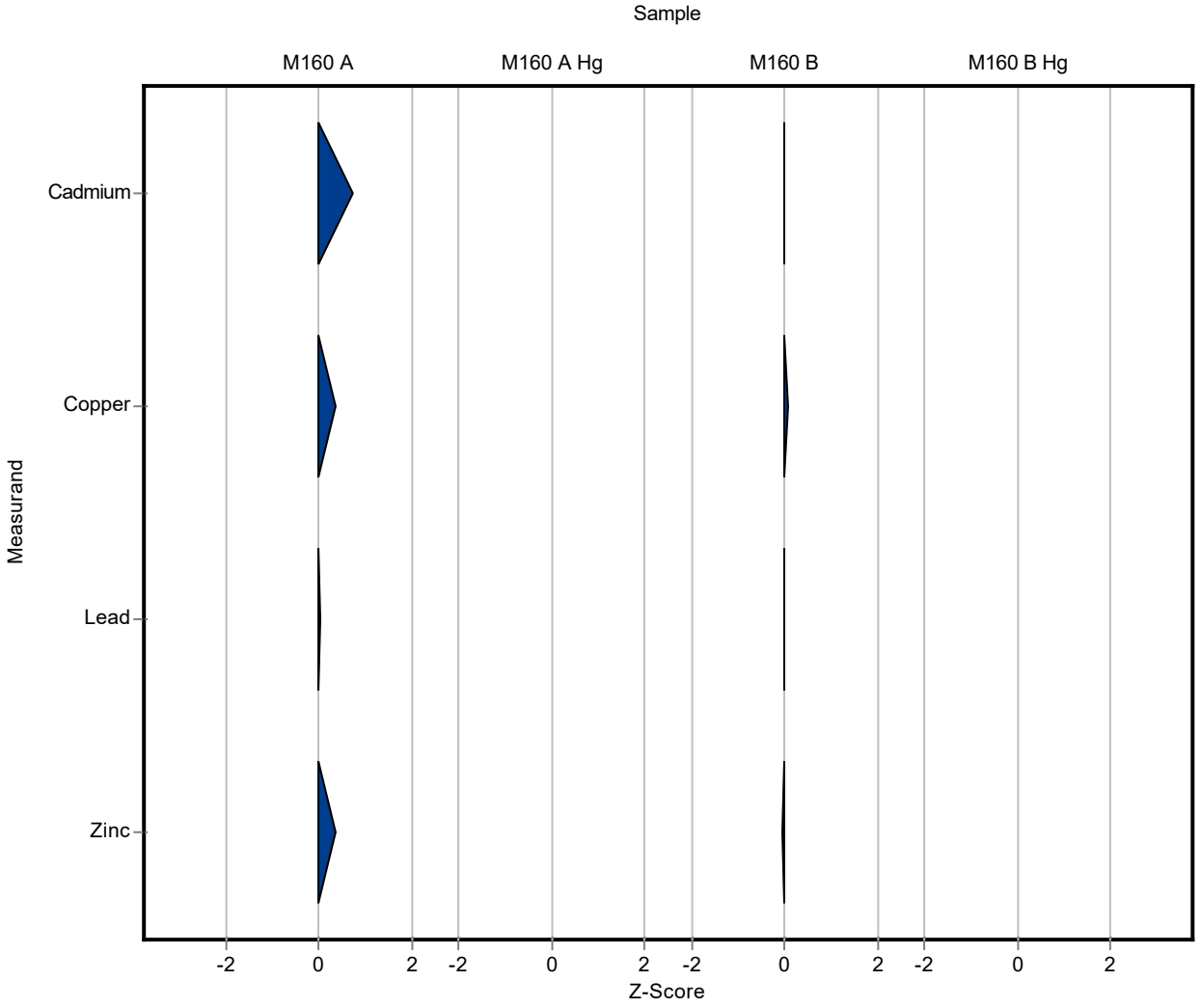
Summary of results Metals and trace elements M160

Labcode: LC0032

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Uranium	µg/l	1.72 ± 0.0429	- ± -	0.113	-	-
Zinc	µg/l	138 ± 1.77	137.2 ± 9.6	12.4	99.6	-0.04

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	1.2 ± 0.0214	- ± -	0.168	-	-



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	36.3 ± 1.04	- ± -	5.45	-	-
Arsenic	µg/l	2.34 ± 0.0752	- ± -	0.304	-	-
Cadmium	µg/l	0.517 ± 0.0112	0.554 ± 0.05	0.0517	107	0.37
Chromium	µg/l	3.8 ± 0.0928	- ± -	0.323	-	-
Copper	µg/l	9.22 ± 0.241	9.518 ± 0.66	0.829	103	0.23
Iron	µg/l	54 ± 1.38	- ± -	5.94	-	-
Lead	µg/l	2.21 ± 0.0437	2.225 ± 0.24	0.332	101	0.03
Manganese	µg/l	30.1 ± 0.599	- ± -	2.17	-	-
Nickel	µg/l	5.18 ± 0.152	- ± -	0.622	-	-
Selenium	µg/l	2.19 ± 0.0565	- ± -	0.262	-	-
Uranium	µg/l	3.49 ± 0.113	- ± -	0.231	-	-
Zinc	µg/l	88.5 ± 1.55	91.51 ± 6.41	7.97	103	0.23

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	0.944 ± 0.0244	- ± -	0.132	-	-

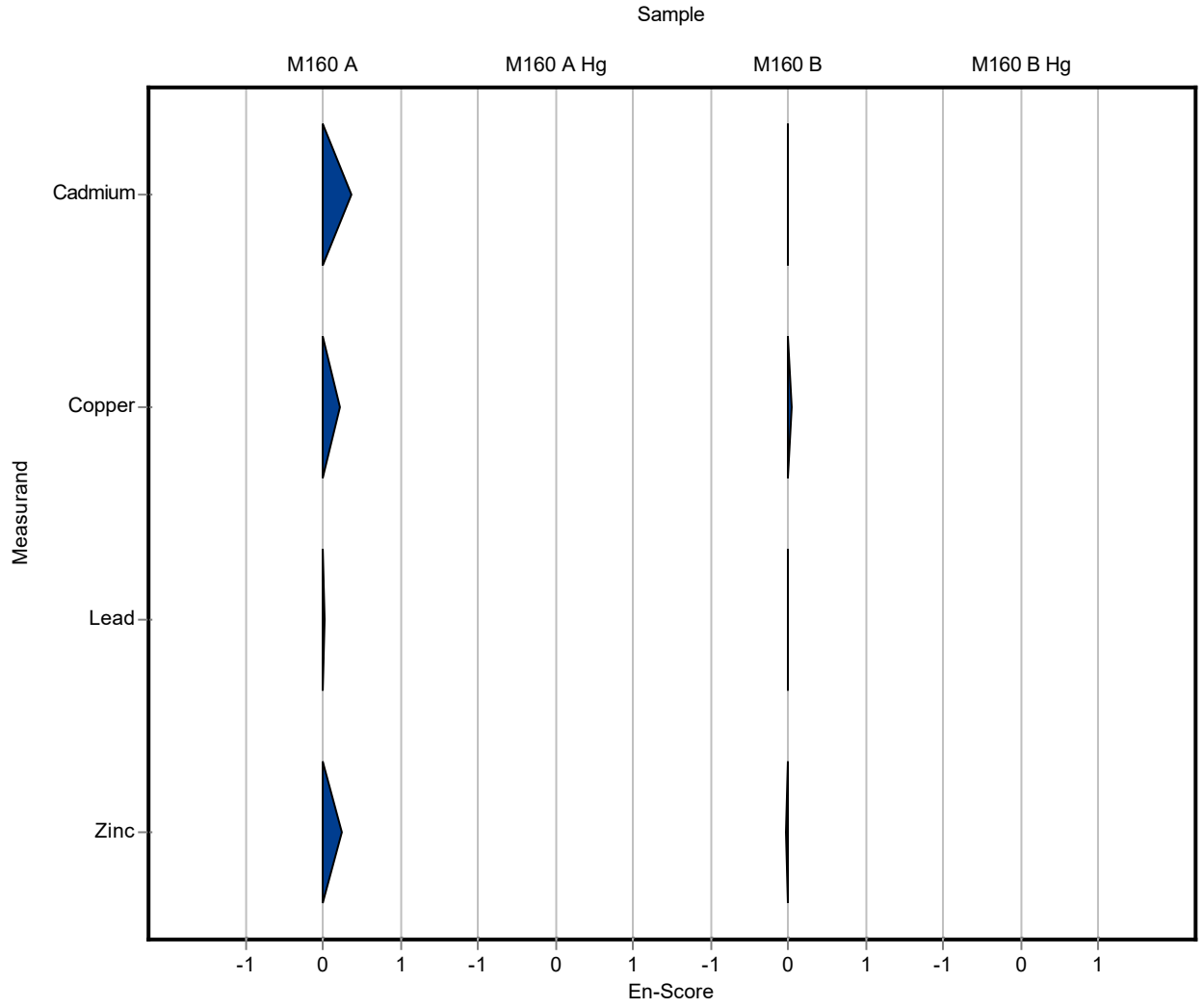
Sample: M160B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	105 ± 2.25	- ± -	15.8	-	-
Arsenic	µg/l	5.66 ± 0.136	- ± -	0.736	-	-
Cadmium	µg/l	3.67 ± 0.0564	3.676 ± 0.33	0.367	100	0.00
Chromium	µg/l	2.21 ± 0.0559	- ± -	0.188	-	-
Copper	µg/l	60.4 ± 0.94	60.74 ± 4.2	5.44	101	0.04
Iron	µg/l	113 ± 1.78	- ± -	12.4	-	-
Lead	µg/l	2.69 ± 0.0583	2.681 ± 0.29	0.403	99.8	-0.01
Manganese	µg/l	20.7 ± 0.331	- ± -	1.49	-	-
Nickel	µg/l	15.3 ± 0.317	- ± -	1.83	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Selenium	µg/l	5.28 ± 0.126	- ± -	0.634	-	-
Uranium	µg/l	1.72 ± 0.0429	- ± -	0.113	-	-
Zinc	µg/l	138 ± 1.77	137.2 ± 9.6	12.4	99.6	-0.03

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	1.2 ± 0.0214	- ± -	0.168	-	-



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	36.3 ± 1.04	38.2 ± 5.73	5.45	105	0.35
Arsenic	µg/l	2.34 ± 0.0752	2.25 ± 0.34	0.304	96.2	-0.29
Cadmium	µg/l	0.517 ± 0.0112	0.462 ± 0.069	0.0517	89.4	-1.06
Chromium	µg/l	3.8 ± 0.0928	3.86 ± 0.58	0.323	101	0.17
Copper	µg/l	9.22 ± 0.241	8.28 ± 1.24	0.829	89.8	-1.13
Iron	µg/l	54 ± 1.38	55.5 ± 8.32	5.94	103	0.25
Lead	µg/l	2.21 ± 0.0437	2.34 ± 0.35	0.332	106	0.39
Manganese	µg/l	30.1 ± 0.599	30.2 ± 4.52	2.17	100	0.03
Nickel	µg/l	5.18 ± 0.152	5.26 ± 0.79	0.622	101	0.12
Selenium	µg/l	2.19 ± 0.0565	2.15 ± 0.32	0.262	98.4	-0.14
Uranium	µg/l	3.49 ± 0.113	4.03 ± 0.6	0.231	115	2.33
Zinc	µg/l	88.5 ± 1.55	71.7 ± 10.8	7.97	81	-2.11

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	0.944 ± 0.0244	0.902 ± 0.135	0.132	95.6	-0.32

Sample: M160B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	105 ± 2.25	106.4 ± 16	15.8	101	0.08
Arsenic	µg/l	5.66 ± 0.136	5.75 ± 0.86	0.736	102	0.12
Cadmium	µg/l	3.67 ± 0.0564	3.4 ± 0.51	0.367	92.6	-0.74
Chromium	µg/l	2.21 ± 0.0559	2.34 ± 0.35	0.188	106	0.70
Copper	µg/l	60.4 ± 0.94	60.9 ± 9.13	5.44	101	0.09
Iron	µg/l	113 ± 1.78	117.3 ± 17.6	12.4	104	0.35
Lead	µg/l	2.69 ± 0.0583	2.82 ± 0.42	0.403	105	0.33
Manganese	µg/l	20.7 ± 0.331	20.9 ± 3.13	1.49	101	0.10
Nickel	µg/l	15.3 ± 0.317	15.1 ± 2.27	1.83	98.9	-0.10
Selenium	µg/l	5.28 ± 0.126	5.16 ± 0.77	0.634	97.7	-0.19

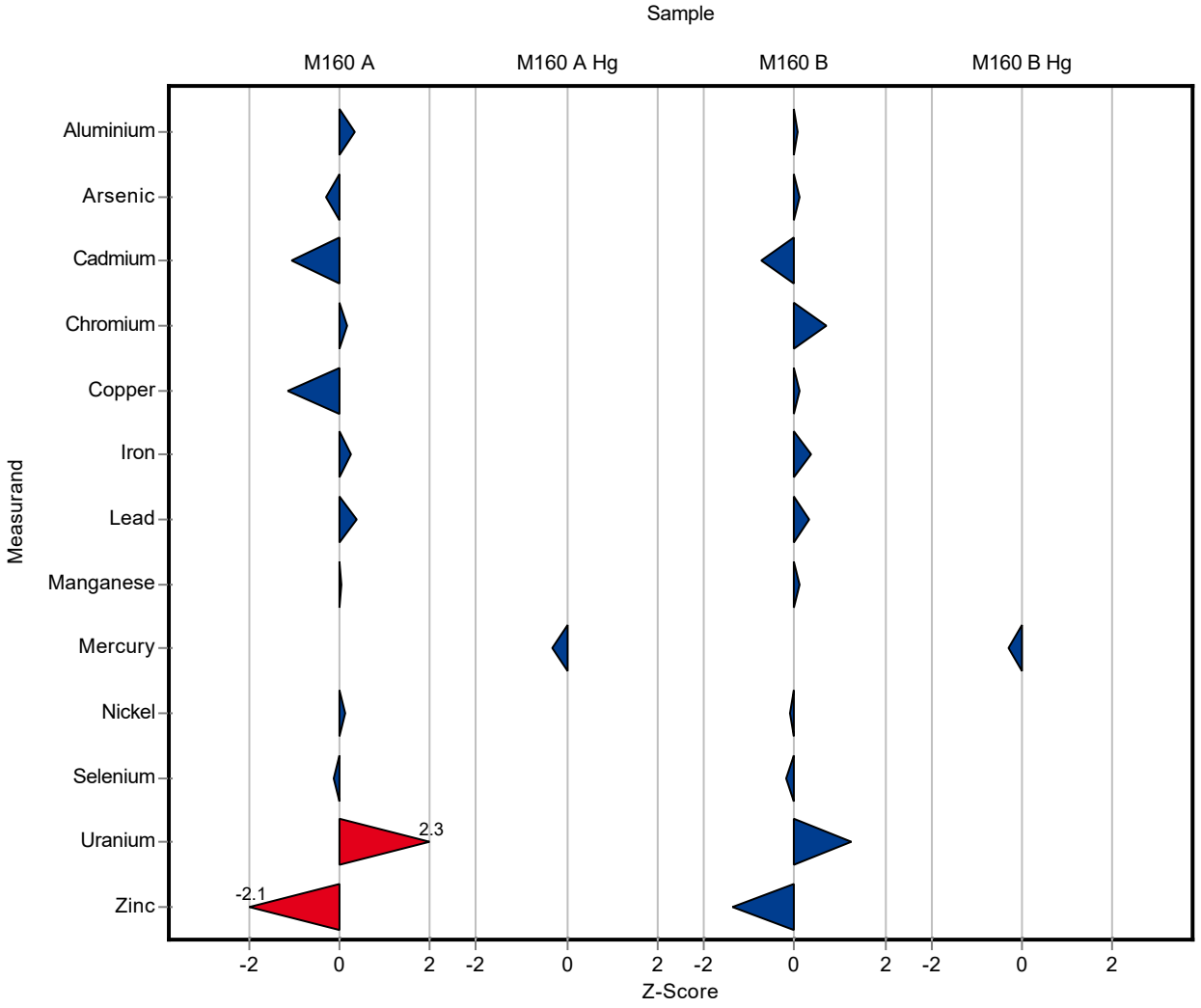
Summary of results Metals and trace elements M160

Labcode: LC0033

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Uranium	µg/l	1.72 ± 0.0429	1.86 ± 0.28	0.113	108	1.27
Zinc	µg/l	138 ± 1.77	120.8 ± 18.1	12.4	87.7	-1.36

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	1.2 ± 0.0214	1.15 ± 0.17	0.168	95.9	-0.29



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	36.3 ± 1.04	38.2 ± 5.73	5.45	105	0.16
Arsenic	µg/l	2.34 ± 0.0752	2.25 ± 0.34	0.304	96.2	-0.13
Cadmium	µg/l	0.517 ± 0.0112	0.462 ± 0.069	0.0517	89.4	-0.40
Chromium	µg/l	3.8 ± 0.0928	3.86 ± 0.58	0.323	101	0.05
Copper	µg/l	9.22 ± 0.241	8.28 ± 1.24	0.829	89.8	-0.38
Iron	µg/l	54 ± 1.38	55.5 ± 8.32	5.94	103	0.09
Lead	µg/l	2.21 ± 0.0437	2.34 ± 0.35	0.332	106	0.18
Manganese	µg/l	30.1 ± 0.599	30.2 ± 4.52	2.17	100	0.01
Nickel	µg/l	5.18 ± 0.152	5.26 ± 0.79	0.622	101	0.05
Selenium	µg/l	2.19 ± 0.0565	2.15 ± 0.32	0.262	98.4	-0.06
Uranium	µg/l	3.49 ± 0.113	4.03 ± 0.6	0.231	115	0.45
Zinc	µg/l	88.5 ± 1.55	71.7 ± 10.8	7.97	81	-0.78

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	0.944 ± 0.0244	0.902 ± 0.135	0.132	95.6	-0.15

Sample: M160B

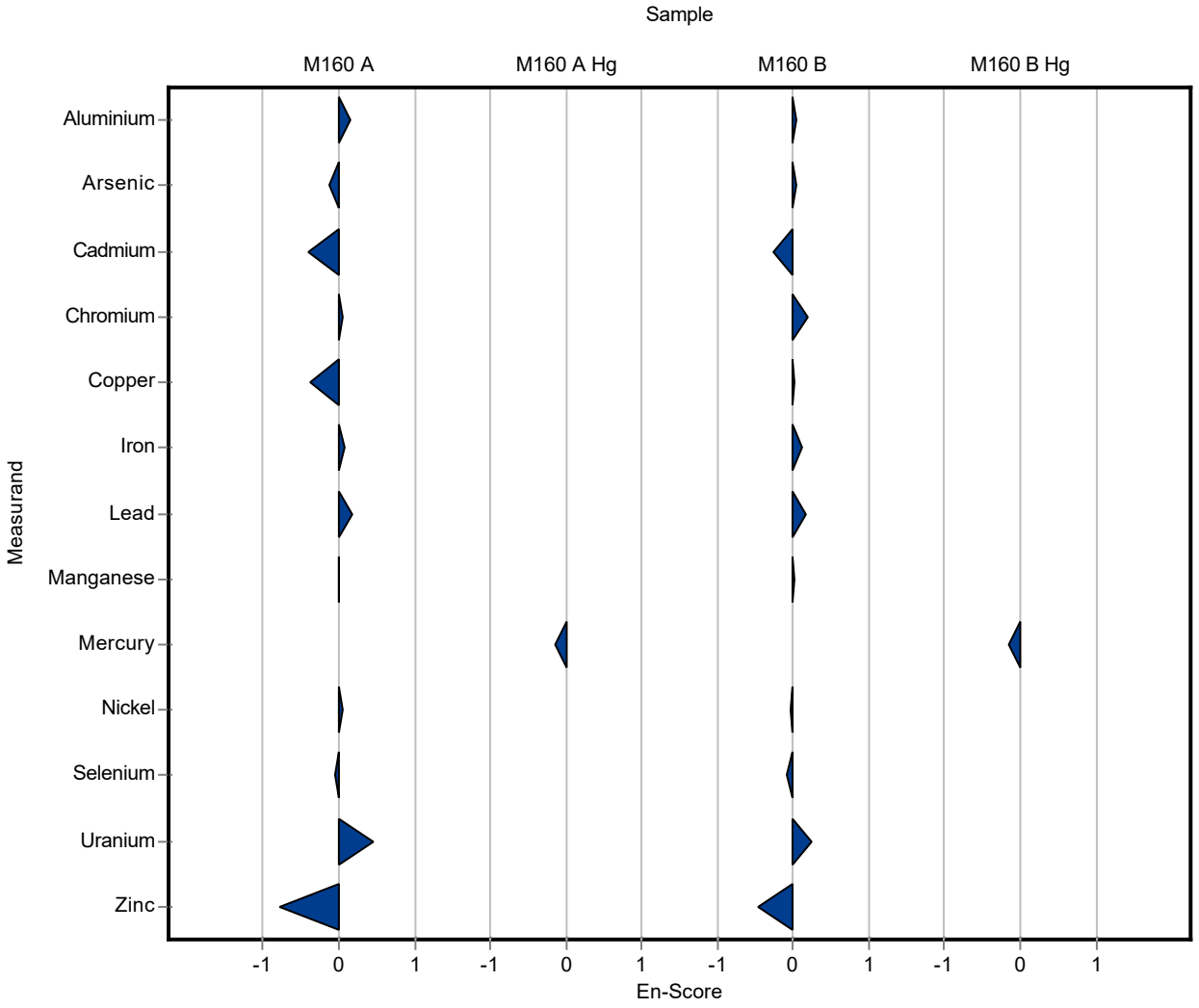
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	105 ± 2.25	106.4 ± 16	15.8	101	0.04
Arsenic	µg/l	5.66 ± 0.136	5.75 ± 0.86	0.736	102	0.05
Cadmium	µg/l	3.67 ± 0.0564	3.4 ± 0.51	0.367	92.6	-0.27
Chromium	µg/l	2.21 ± 0.0559	2.34 ± 0.35	0.188	106	0.19
Copper	µg/l	60.4 ± 0.94	60.9 ± 9.13	5.44	101	0.03
Iron	µg/l	113 ± 1.78	117.3 ± 17.6	12.4	104	0.12
Lead	µg/l	2.69 ± 0.0583	2.82 ± 0.42	0.403	105	0.16
Manganese	µg/l	20.7 ± 0.331	20.9 ± 3.13	1.49	101	0.02
Nickel	µg/l	15.3 ± 0.317	15.1 ± 2.27	1.83	98.9	-0.04

Summary of results Metals and trace elements M160 - En-Score Labcode: LC0033

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Selenium	µg/l	5.28 ± 0.126	5.16 ± 0.77	0.634	97.7	-0.08
Uranium	µg/l	1.72 ± 0.0429	1.86 ± 0.28	0.113	108	0.26
Zinc	µg/l	138 ± 1.77	120.8 ± 18.1	12.4	87.7	-0.47

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	1.2 ± 0.0214	1.15 ± 0.17	0.168	95.9	-0.14



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	36.3 ± 1.04	33.55 ± 3.7	5.45	92.4	-0.51
Arsenic	µg/l	2.34 ± 0.0752	2.193 ± 0.12	0.304	93.8	-0.48
Cadmium	µg/l	0.517 ± 0.0112	0.521 ± 0.042	0.0517	101	0.08
Chromium	µg/l	3.8 ± 0.0928	3.8 ± 0.54	0.323	99.9	-0.01
Copper	µg/l	9.22 ± 0.241	9.107 ± 0.5	0.829	98.8	-0.13
Iron	µg/l	54 ± 1.38	53.6 ± 5.9	5.94	99.2	-0.07
Lead	µg/l	2.21 ± 0.0437	2.23 ± 0.24	0.332	101	0.06
Manganese	µg/l	30.1 ± 0.599	30.53 ± 1.7	2.17	101	0.18
Nickel	µg/l	5.18 ± 0.152	5.223 ± 0.4	0.622	101	0.06
Selenium	µg/l	2.19 ± 0.0565	2.103 ± 0.25	0.262	96.2	-0.32
Uranium	µg/l	3.49 ± 0.113	3.527 ± 0.37	0.231	101	0.15
Zinc	µg/l	88.5 ± 1.55	86.13 ± 5.4	7.97	97.3	-0.30

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	0.944 ± 0.0244	1.207 ± 0.19	0.132	128	1.99

Sample: M160B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	105 ± 2.25	94 ± 10.4	15.8	89.4	-0.71
Arsenic	µg/l	5.66 ± 0.136	5.457 ± 0.31	0.736	96.4	-0.27
Cadmium	µg/l	3.67 ± 0.0564	3.667 ± 0.29	0.367	99.8	-0.02
Chromium	µg/l	2.21 ± 0.0559	2.073 ± 0.29	0.188	93.9	-0.72
Copper	µg/l	60.4 ± 0.94	59.63 ± 3.3	5.44	98.7	-0.14
Iron	µg/l	113 ± 1.78	113 ± 13	12.4	100	0.01
Lead	µg/l	2.69 ± 0.0583	2.727 ± 0.29	0.403	101	0.10
Manganese	µg/l	20.7 ± 0.331	20.6 ± 1.1	1.49	99.3	-0.10
Nickel	µg/l	15.3 ± 0.317	15.17 ± 1.2	1.83	99.3	-0.06
Selenium	µg/l	5.28 ± 0.126	5.145 ± 0.62	0.634	97.4	-0.22

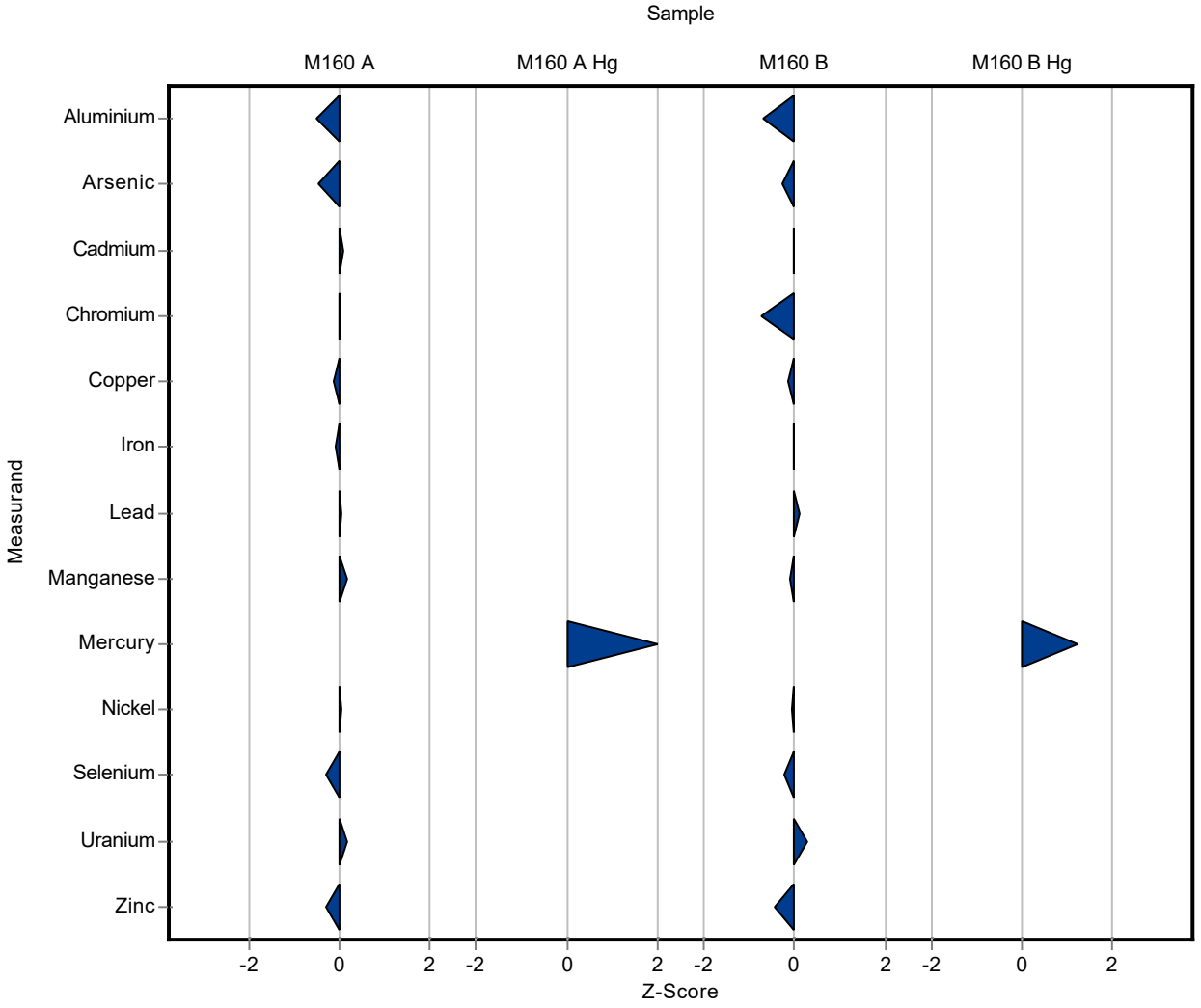
Summary of results Metals and trace elements M160

Labcode: LC0034

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Uranium	µg/l	1.72 ± 0.0429	1.75 ± 0.19	0.113	102	0.30
Zinc	µg/l	138 ± 1.77	132.3 ± 8.3	12.4	96.1	-0.43

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	1.2 ± 0.0214	1.407 ± 0.22	0.168	117	1.24



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	36.3 ± 1.04	33.55 ± 3.7	5.45	92.4	-0.37
Arsenic	µg/l	2.34 ± 0.0752	2.193 ± 0.12	0.304	93.8	-0.58
Cadmium	µg/l	0.517 ± 0.0112	0.521 ± 0.042	0.0517	101	0.05
Chromium	µg/l	3.8 ± 0.0928	3.8 ± 0.54	0.323	99.9	0.00
Copper	µg/l	9.22 ± 0.241	9.107 ± 0.5	0.829	98.8	-0.11
Iron	µg/l	54 ± 1.38	53.6 ± 5.9	5.94	99.2	-0.04
Lead	µg/l	2.21 ± 0.0437	2.23 ± 0.24	0.332	101	0.04
Manganese	µg/l	30.1 ± 0.599	30.53 ± 1.7	2.17	101	0.11
Nickel	µg/l	5.18 ± 0.152	5.223 ± 0.4	0.622	101	0.05
Selenium	µg/l	2.19 ± 0.0565	2.103 ± 0.25	0.262	96.2	-0.16
Uranium	µg/l	3.49 ± 0.113	3.527 ± 0.37	0.231	101	0.05
Zinc	µg/l	88.5 ± 1.55	86.13 ± 5.4	7.97	97.3	-0.22

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	0.944 ± 0.0244	1.207 ± 0.19	0.132	128	0.69

Sample: M160B

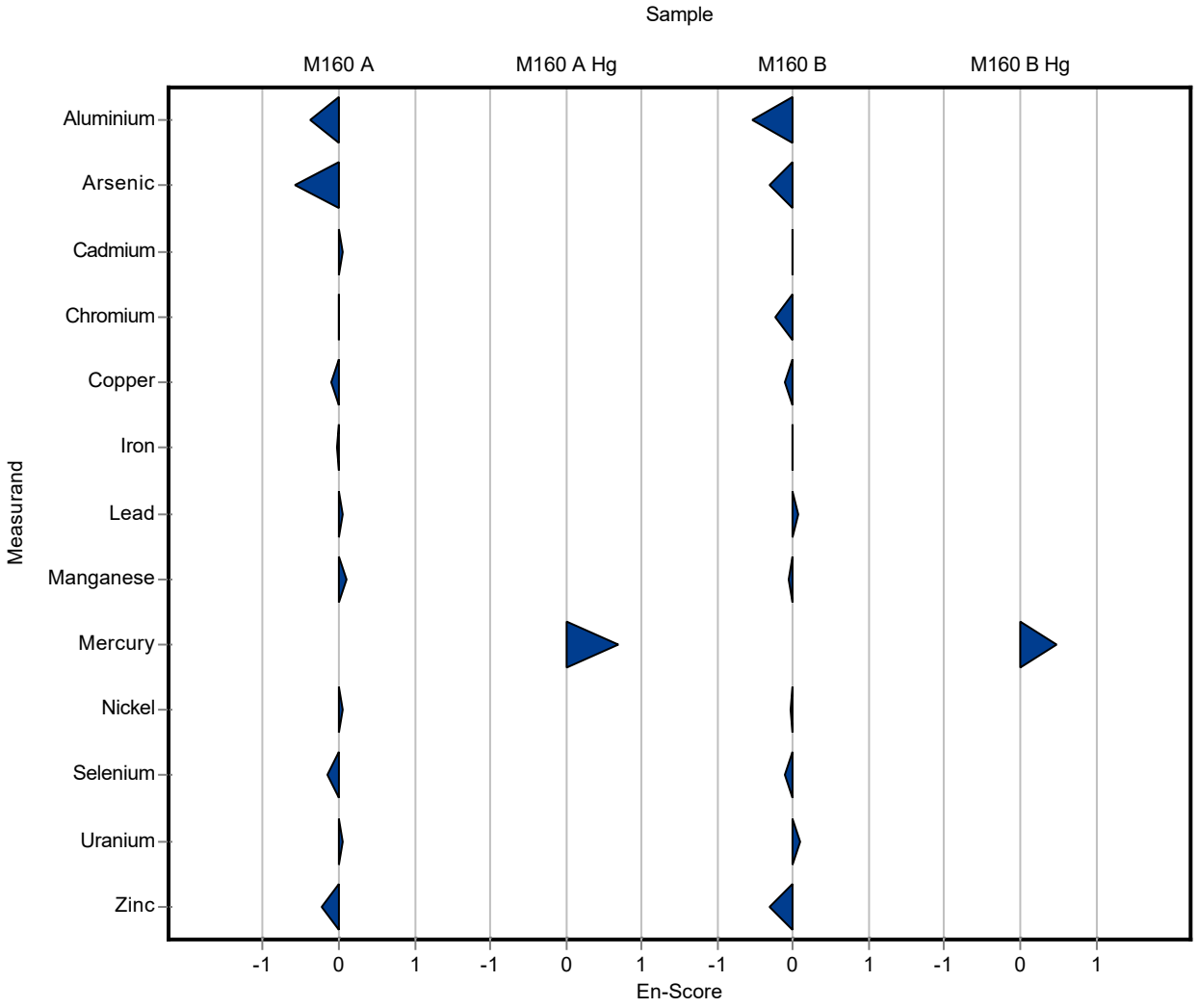
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	105 ± 2.25	94 ± 10.4	15.8	89.4	-0.54
Arsenic	µg/l	5.66 ± 0.136	5.457 ± 0.31	0.736	96.4	-0.32
Cadmium	µg/l	3.67 ± 0.0564	3.667 ± 0.29	0.367	99.8	-0.01
Chromium	µg/l	2.21 ± 0.0559	2.073 ± 0.29	0.188	93.9	-0.23
Copper	µg/l	60.4 ± 0.94	59.63 ± 3.3	5.44	98.7	-0.12
Iron	µg/l	113 ± 1.78	113 ± 13	12.4	100	0.00
Lead	µg/l	2.69 ± 0.0583	2.727 ± 0.29	0.403	101	0.07
Manganese	µg/l	20.7 ± 0.331	20.6 ± 1.1	1.49	99.3	-0.07
Nickel	µg/l	15.3 ± 0.317	15.17 ± 1.2	1.83	99.3	-0.04

Summary of results Metals and trace elements M160 - En-Score Labcode: LC0034

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Selenium	µg/l	5.28 ± 0.126	5.145 ± 0.62	0.634	97.4	-0.11
Uranium	µg/l	1.72 ± 0.0429	1.75 ± 0.19	0.113	102	0.09
Zinc	µg/l	138 ± 1.77	132.3 ± 8.3	12.4	96.1	-0.32

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	1.2 ± 0.0214	1.407 ± 0.22	0.168	117	0.47



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	36.3 ± 1.04	35.73 ± 2.5	5.45	98.4	-0.11
Arsenic	µg/l	2.34 ± 0.0752	2.192 ± 0.175	0.304	93.8	-0.48
Cadmium	µg/l	0.517 ± 0.0112	0.545 ± 0.0414	0.0517	105	0.54
Chromium	µg/l	3.8 ± 0.0928	3.727 ± 0.335	0.323	98	-0.24
Copper	µg/l	9.22 ± 0.241	8.537 ± 0.596	0.829	92.6	-0.82
Iron	µg/l	54 ± 1.38	50.152 ± 3.861	5.94	92.8	-0.65
Lead	µg/l	2.21 ± 0.0437	2.187 ± 0.131	0.332	98.9	-0.07
Manganese	µg/l	30.1 ± 0.599	29.832 ± 2.595	2.17	99	-0.14
Nickel	µg/l	5.18 ± 0.152	4.759 ± 0.238	0.622	91.8	-0.68
Selenium	µg/l	2.19 ± 0.0565	2.007 ± 0.2007	0.262	91.8	-0.68
Uranium	µg/l	3.49 ± 0.113	3.606 ± 0.224	0.231	103	0.49
Zinc	µg/l	88.5 ± 1.55	86.896 ± 6.95	7.97	98.1	-0.21

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	0.944 ± 0.0244	- ± -	0.132	-	-

Sample: M160B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	105 ± 2.25	100.18 ± 7.02	15.8	95.2	-0.32
Arsenic	µg/l	5.66 ± 0.136	5.348 ± 0.428	0.736	94.5	-0.42
Cadmium	µg/l	3.67 ± 0.0564	3.815 ± 0.242	0.367	104	0.39
Chromium	µg/l	2.21 ± 0.0559	2.107 ± 0.189	0.188	95.4	-0.54
Copper	µg/l	60.4 ± 0.94	55.943 ± 3.9	5.44	92.6	-0.82
Iron	µg/l	113 ± 1.78	106 ± 8.16	12.4	93.9	-0.56
Lead	µg/l	2.69 ± 0.0583	2.692 ± 0.215	0.403	100	0.01
Manganese	µg/l	20.7 ± 0.331	20.642 ± 1.8	1.49	99.5	-0.07
Nickel	µg/l	15.3 ± 0.317	14.647 ± 0.732	1.83	95.9	-0.34
Selenium	µg/l	5.28 ± 0.126	4.909 ± 0.491	0.634	92.9	-0.59

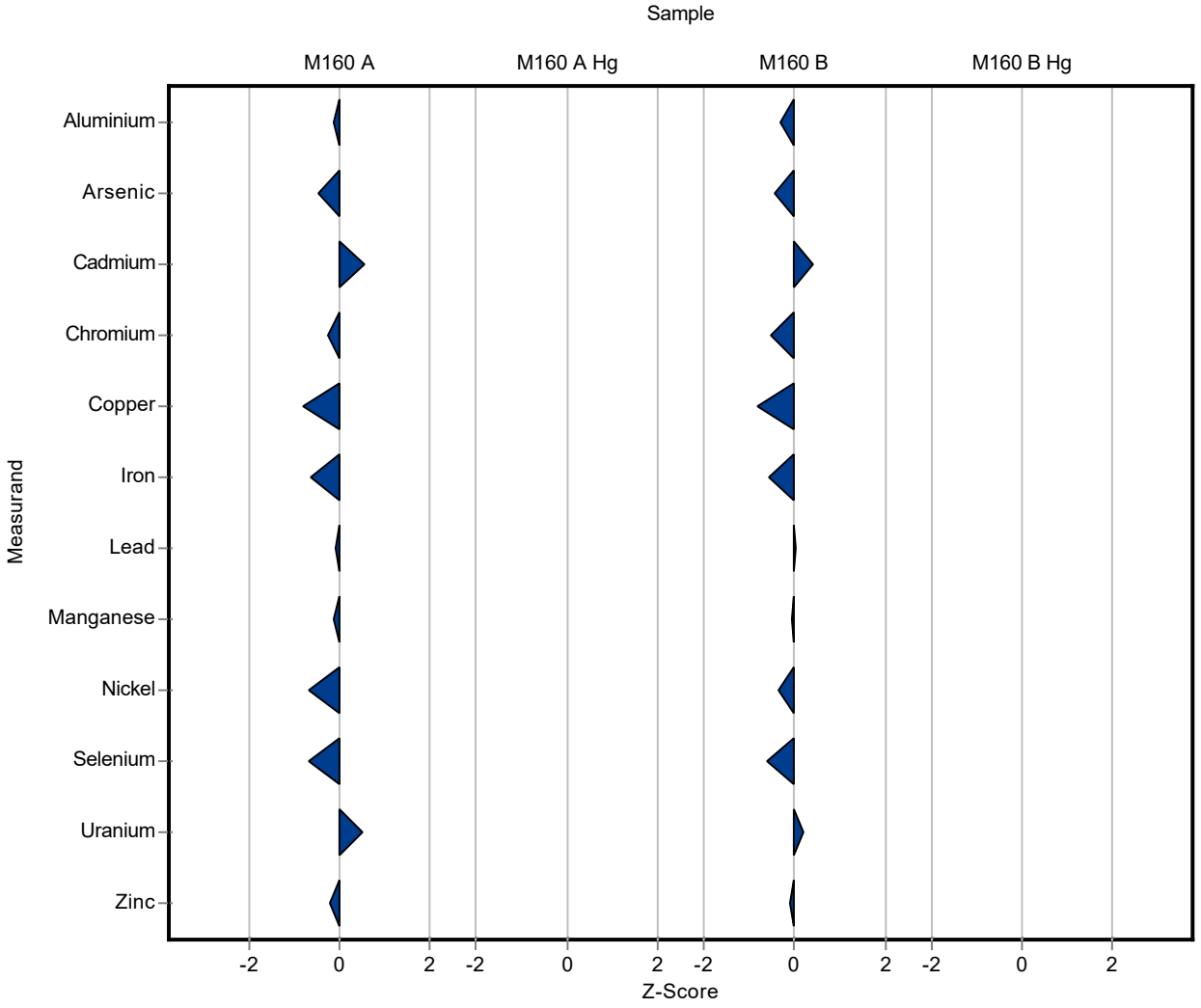
Summary of results Metals and trace elements M160

Labcode: LC0035

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Uranium	µg/l	1.72 ± 0.0429	1.739 ± 0.104	0.113	101	0.20
Zinc	µg/l	138 ± 1.77	136.7 ± 8.2	12.4	99.3	-0.08

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	1.2 ± 0.0214	- ± -	0.168	-	-



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	36.3 ± 1.04	35.73 ± 2.5	5.45	98.4	-0.11
Arsenic	µg/l	2.34 ± 0.0752	2.192 ± 0.175	0.304	93.8	-0.41
Cadmium	µg/l	0.517 ± 0.0112	0.545 ± 0.0414	0.0517	105	0.34
Chromium	µg/l	3.8 ± 0.0928	3.727 ± 0.335	0.323	98	-0.11
Copper	µg/l	9.22 ± 0.241	8.537 ± 0.596	0.829	92.6	-0.56
Iron	µg/l	54 ± 1.38	50.152 ± 3.861	5.94	92.8	-0.49
Lead	µg/l	2.21 ± 0.0437	2.187 ± 0.131	0.332	98.9	-0.09
Manganese	µg/l	30.1 ± 0.599	29.832 ± 2.595	2.17	99	-0.06
Nickel	µg/l	5.18 ± 0.152	4.759 ± 0.238	0.622	91.8	-0.85
Selenium	µg/l	2.19 ± 0.0565	2.007 ± 0.2007	0.262	91.8	-0.44
Uranium	µg/l	3.49 ± 0.113	3.606 ± 0.224	0.231	103	0.24
Zinc	µg/l	88.5 ± 1.55	86.896 ± 6.95	7.97	98.1	-0.12

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	0.944 ± 0.0244	- ± -	0.132	-	-

Sample: M160B

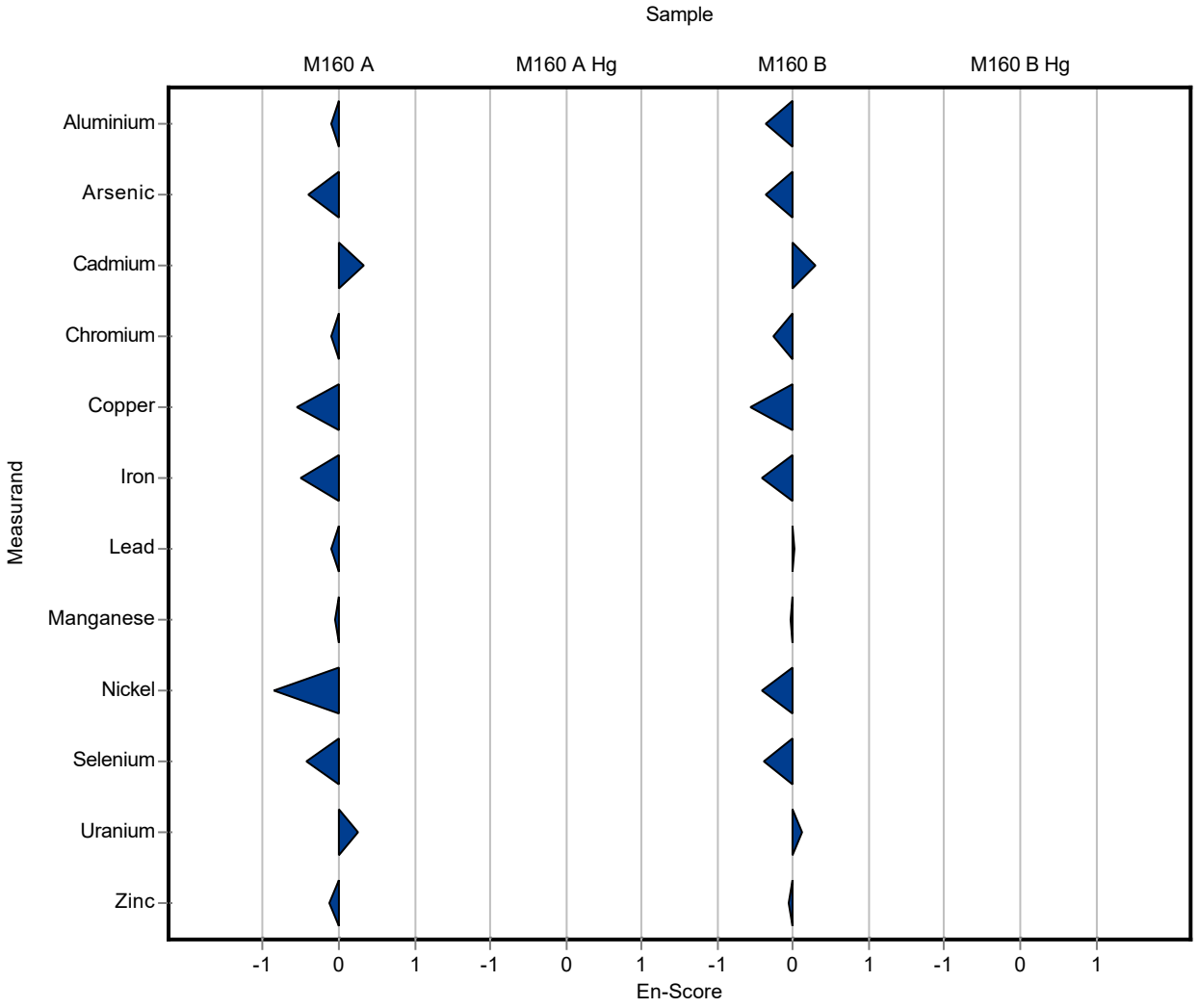
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	105 ± 2.25	100.18 ± 7.02	15.8	95.2	-0.35
Arsenic	µg/l	5.66 ± 0.136	5.348 ± 0.428	0.736	94.5	-0.36
Cadmium	µg/l	3.67 ± 0.0564	3.815 ± 0.242	0.367	104	0.29
Chromium	µg/l	2.21 ± 0.0559	2.107 ± 0.189	0.188	95.4	-0.26
Copper	µg/l	60.4 ± 0.94	55.943 ± 3.9	5.44	92.6	-0.57
Iron	µg/l	113 ± 1.78	106 ± 8.16	12.4	93.9	-0.42
Lead	µg/l	2.69 ± 0.0583	2.692 ± 0.215	0.403	100	0.01
Manganese	µg/l	20.7 ± 0.331	20.642 ± 1.8	1.49	99.5	-0.03
Nickel	µg/l	15.3 ± 0.317	14.647 ± 0.732	1.83	95.9	-0.42

Summary of results Metals and trace elements M160 - En-Score Labcode: LC0035

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Selenium	µg/l	5.28 ± 0.126	4.909 ± 0.491	0.634	92.9	-0.38
Uranium	µg/l	1.72 ± 0.0429	1.739 ± 0.104	0.113	101	0.11
Zinc	µg/l	138 ± 1.77	136.7 ± 8.2	12.4	99.3	-0.06

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	1.2 ± 0.0214	- ± -	0.168	-	-



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	36.3 ± 1.04	35.5 ± 4.05	5.45	97.8	-0.15
Arsenic	µg/l	2.34 ± 0.0752	<5 (LOQ) ± -	0.304	-	-
Cadmium	µg/l	0.517 ± 0.0112	<1 (LOQ) ± -	0.0517	-	-
Chromium	µg/l	3.8 ± 0.0928	10.2 ± 1.2	0.323	268	19.80
Copper	µg/l	9.22 ± 0.241	10 ± 0.93	0.829	109	0.95
Iron	µg/l	54 ± 1.38	42 ± 5	5.94	77.7	-2.02
Lead	µg/l	2.21 ± 0.0437	2.2 ± 0.14	0.332	99.5	-0.03
Manganese	µg/l	30.1 ± 0.599	31 ± 2.05	2.17	103	0.40
Nickel	µg/l	5.18 ± 0.152	5.4 ± 0.45	0.622	104	0.35
Selenium	µg/l	2.19 ± 0.0565	<3 (LOQ) ± -	0.262	-	-
Uranium	µg/l	3.49 ± 0.113	3.9 ± 0.39	0.231	112	1.77
Zinc	µg/l	88.5 ± 1.55	92 ± 9.2	7.97	104	0.43

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	0.944 ± 0.0244	0.9 ± 0.19	0.132	95.4	-0.33

Sample: M160B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	105 ± 2.25	99.1 ± 11.3	15.8	94.2	-0.39
Arsenic	µg/l	5.66 ± 0.136	6 ± 0.31	0.736	106	0.46
Cadmium	µg/l	3.67 ± 0.0564	3.5 ± 0.18	0.367	95.3	-0.47
Chromium	µg/l	2.21 ± 0.0559	4.7 ± 0.55	0.188	213	13.30
Copper	µg/l	60.4 ± 0.94	60 ± 5.58	5.44	99.3	-0.07
Iron	µg/l	113 ± 1.78	102 ± 12.4	12.4	90.3	-0.88
Lead	µg/l	2.69 ± 0.0583	2.7 ± 0.18	0.403	100	0.03
Manganese	µg/l	20.7 ± 0.331	20 ± 1.32	1.49	96.4	-0.50
Nickel	µg/l	15.3 ± 0.317	14.8 ± 1.23	1.83	96.9	-0.26
Selenium	µg/l	5.28 ± 0.126	5.7 ± 0.18	0.634	108	0.66

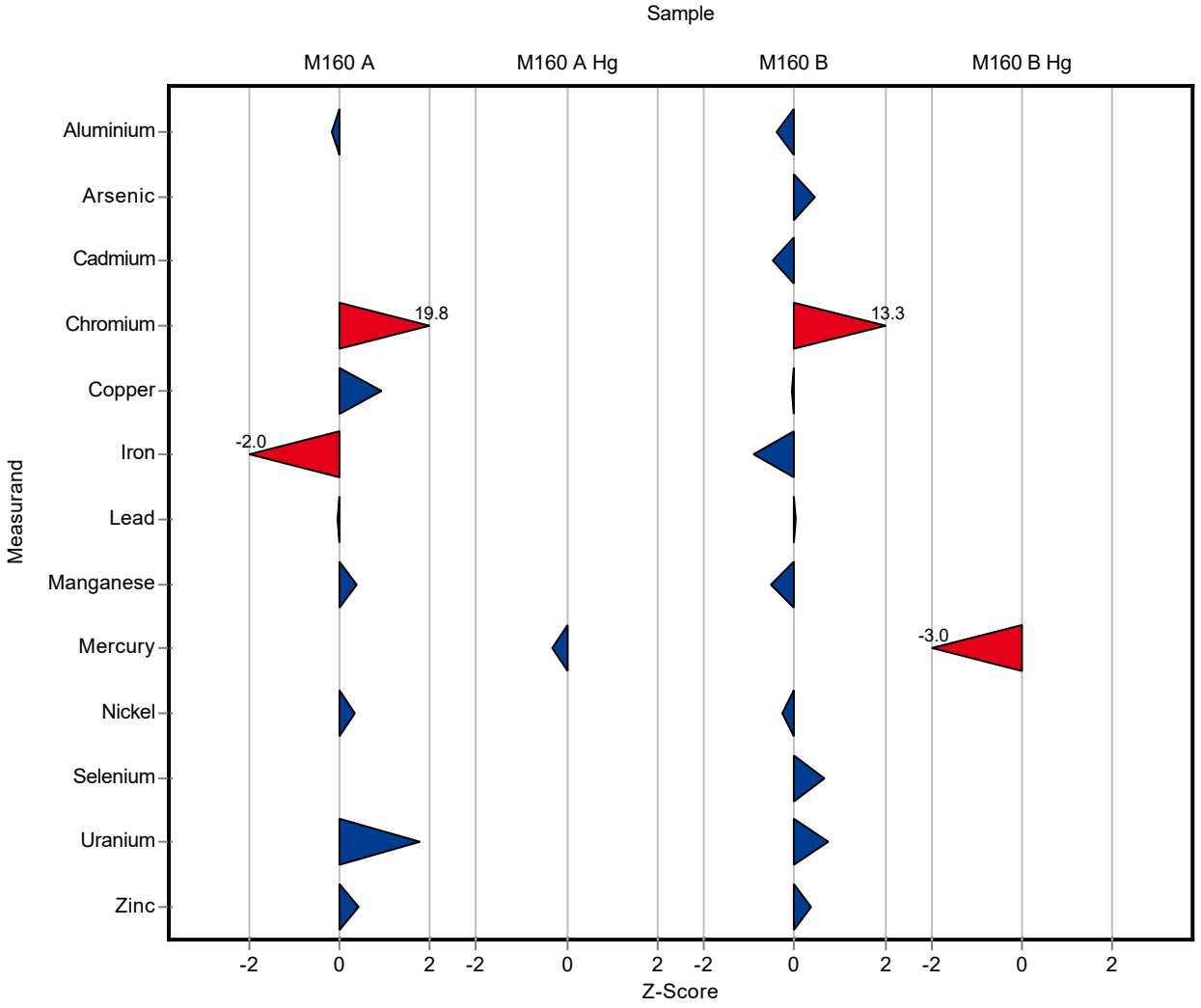
Summary of results Metals and trace elements M160

Labcode: LC0036

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Uranium	µg/l	1.72 ± 0.0429	1.8 ± 0.18	0.113	105	0.74
Zinc	µg/l	138 ± 1.77	142 ± 14.2	12.4	103	0.35

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	1.2 ± 0.0214	0.7 ± 0.14	0.168	58.4	-2.97



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	36.3 ± 1.04	35.5 ± 4.05	5.45	97.8	-0.10
Arsenic	µg/l	2.34 ± 0.0752	<5 (LOQ) ± -	0.304	-	-
Cadmium	µg/l	0.517 ± 0.0112	<1 (LOQ) ± -	0.0517	-	-
Chromium	µg/l	3.8 ± 0.0928	10.2 ± 1.2	0.323	268	2.66
Copper	µg/l	9.22 ± 0.241	10 ± 0.93	0.829	109	0.42
Iron	µg/l	54 ± 1.38	42 ± 5	5.94	77.7	-1.19
Lead	µg/l	2.21 ± 0.0437	2.2 ± 0.14	0.332	99.5	-0.04
Manganese	µg/l	30.1 ± 0.599	31 ± 2.05	2.17	103	0.21
Nickel	µg/l	5.18 ± 0.152	5.4 ± 0.45	0.622	104	0.24
Selenium	µg/l	2.19 ± 0.0565	<3 (LOQ) ± -	0.262	-	-
Uranium	µg/l	3.49 ± 0.113	3.9 ± 0.39	0.231	112	0.52
Zinc	µg/l	88.5 ± 1.55	92 ± 9.2	7.97	104	0.19

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	0.944 ± 0.0244	0.9 ± 0.19	0.132	95.4	-0.12

Sample: M160B

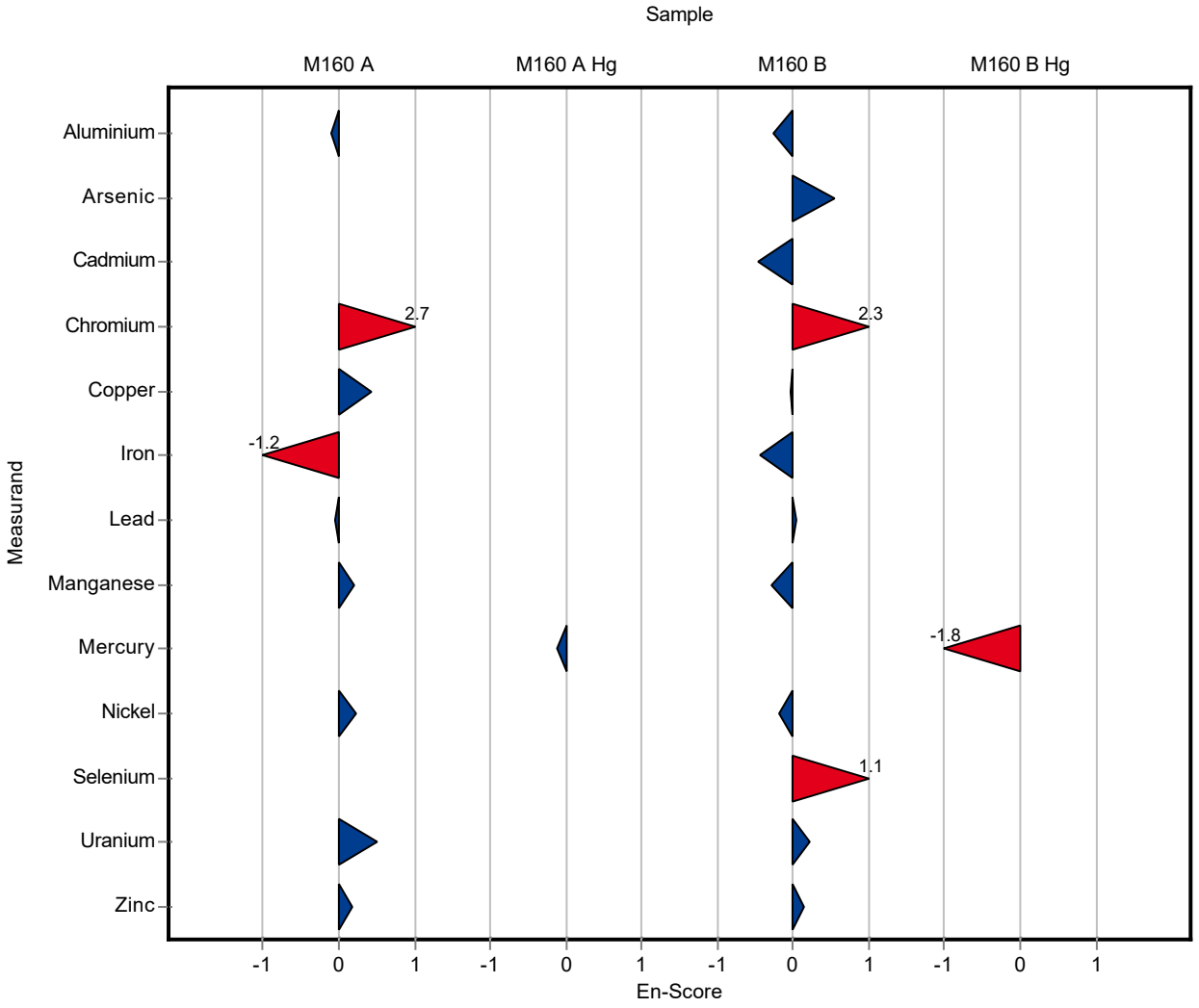
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	105 ± 2.25	99.1 ± 11.3	15.8	94.2	-0.27
Arsenic	µg/l	5.66 ± 0.136	6 ± 0.31	0.736	106	0.54
Cadmium	µg/l	3.67 ± 0.0564	3.5 ± 0.18	0.367	95.3	-0.47
Chromium	µg/l	2.21 ± 0.0559	4.7 ± 0.55	0.188	213	2.26
Copper	µg/l	60.4 ± 0.94	60 ± 5.58	5.44	99.3	-0.04
Iron	µg/l	113 ± 1.78	102 ± 12.4	12.4	90.3	-0.44
Lead	µg/l	2.69 ± 0.0583	2.7 ± 0.18	0.403	100	0.04
Manganese	µg/l	20.7 ± 0.331	20 ± 1.32	1.49	96.4	-0.28
Nickel	µg/l	15.3 ± 0.317	14.8 ± 1.23	1.83	96.9	-0.19

Summary of results Metals and trace elements M160 - En-Score Labcode: LC0036

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Selenium	µg/l	5.28 ± 0.126	5.7 ± 0.18	0.634	108	1.10
Uranium	µg/l	1.72 ± 0.0429	1.8 ± 0.18	0.113	105	0.23
Zinc	µg/l	138 ± 1.77	142 ± 14.2	12.4	103	0.15

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	1.2 ± 0.0214	0.7 ± 0.14	0.168	58.4	-1.78



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	36.3 ± 1.04	39.6 ± 0.85	5.45	109	0.60
Arsenic	µg/l	2.34 ± 0.0752	2.5 ± 0.085	0.304	107	0.53
Cadmium	µg/l	0.517 ± 0.0112	0.541 ± 0.015	0.0517	105	0.47
Chromium	µg/l	3.8 ± 0.0928	4.77 ± 0.25	0.323	125	2.99
Copper	µg/l	9.22 ± 0.241	9.46 ± 0.1	0.829	103	0.29
Iron	µg/l	54 ± 1.38	62.1 ± 1.8	5.94	115	1.36
Lead	µg/l	2.21 ± 0.0437	2.24 ± 0.042	0.332	101	0.09
Manganese	µg/l	30.1 ± 0.599	31.5 ± 0.32	2.17	105	0.63
Nickel	µg/l	5.18 ± 0.152	5.94 ± 0.13	0.622	115	1.22
Selenium	µg/l	2.19 ± 0.0565	2.11 ± 0.071	0.262	96.5	-0.29
Uranium	µg/l	3.49 ± 0.113	3.32 ± 0.091	0.231	95.1	-0.75
Zinc	µg/l	88.5 ± 1.55	91.7 ± 0.5	7.97	104	0.40

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	0.944 ± 0.0244	0.961 ± 0.019	0.132	102	0.13

Sample: M160B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	105 ± 2.25	117 ± 3.5	15.8	111	0.75
Arsenic	µg/l	5.66 ± 0.136	6.02 ± 0.055	0.736	106	0.49
Cadmium	µg/l	3.67 ± 0.0564	3.67 ± 0.12	0.367	99.9	-0.01
Chromium	µg/l	2.21 ± 0.0559	2.28 ± 0.017	0.188	103	0.39
Copper	µg/l	60.4 ± 0.94	60.9 ± 0.058	5.44	101	0.09
Iron	µg/l	113 ± 1.78	118 ± 2	12.4	104	0.41
Lead	µg/l	2.69 ± 0.0583	2.98 ± 0.057	0.403	111	0.73
Manganese	µg/l	20.7 ± 0.331	21.3 ± 0.1	1.49	103	0.37
Nickel	µg/l	15.3 ± 0.317	15.6 ± 0.15	1.83	102	0.18
Selenium	µg/l	5.28 ± 0.126	5.35 ± 0.045	0.634	101	0.11

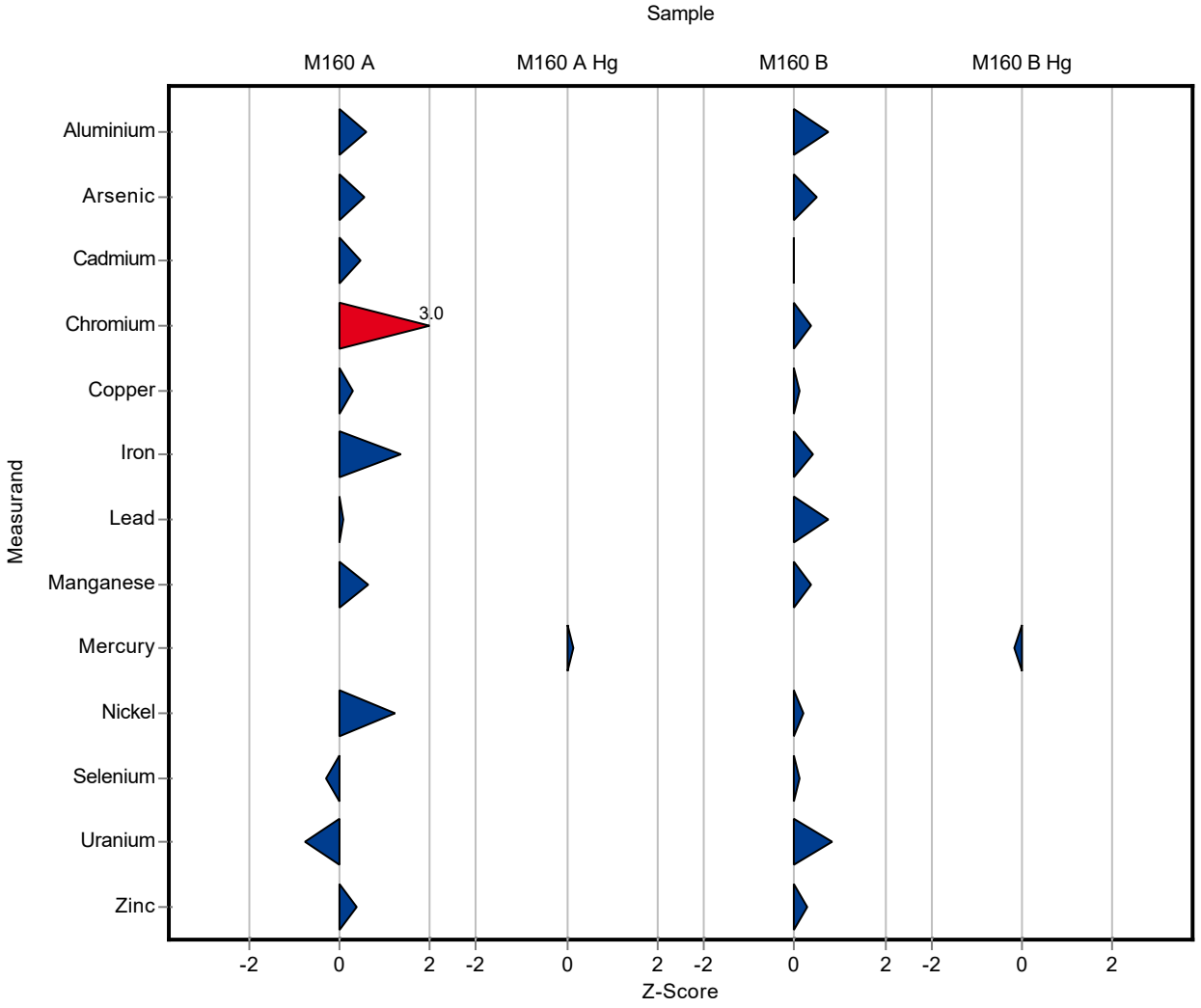
Summary of results Metals and trace elements M160

Labcode: LC0037

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Uranium	µg/l	1.72 ± 0.0429	1.81 ± 0.055	0.113	105	0.83
Zinc	µg/l	138 ± 1.77	141 ± 0.58	12.4	102	0.27

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	1.2 ± 0.0214	1.17 ± 0.015	0.168	97.6	-0.17



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	36.3 ± 1.04	39.6 ± 0.85	5.45	109	1.65
Arsenic	µg/l	2.34 ± 0.0752	2.5 ± 0.085	0.304	107	0.87
Cadmium	µg/l	0.517 ± 0.0112	0.541 ± 0.015	0.0517	105	0.75
Chromium	µg/l	3.8 ± 0.0928	4.77 ± 0.25	0.323	125	1.90
Copper	µg/l	9.22 ± 0.241	9.46 ± 0.1	0.829	103	0.78
Iron	µg/l	54 ± 1.38	62.1 ± 1.8	5.94	115	2.09
Lead	µg/l	2.21 ± 0.0437	2.24 ± 0.042	0.332	101	0.30
Manganese	µg/l	30.1 ± 0.599	31.5 ± 0.32	2.17	105	1.55
Nickel	µg/l	5.18 ± 0.152	5.94 ± 0.13	0.622	115	2.51
Selenium	µg/l	2.19 ± 0.0565	2.11 ± 0.071	0.262	96.5	-0.49
Uranium	µg/l	3.49 ± 0.113	3.32 ± 0.091	0.231	95.1	-0.81
Zinc	µg/l	88.5 ± 1.55	91.7 ± 0.5	7.97	104	1.72

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	0.944 ± 0.0244	0.961 ± 0.019	0.132	102	0.38

Sample: M160B

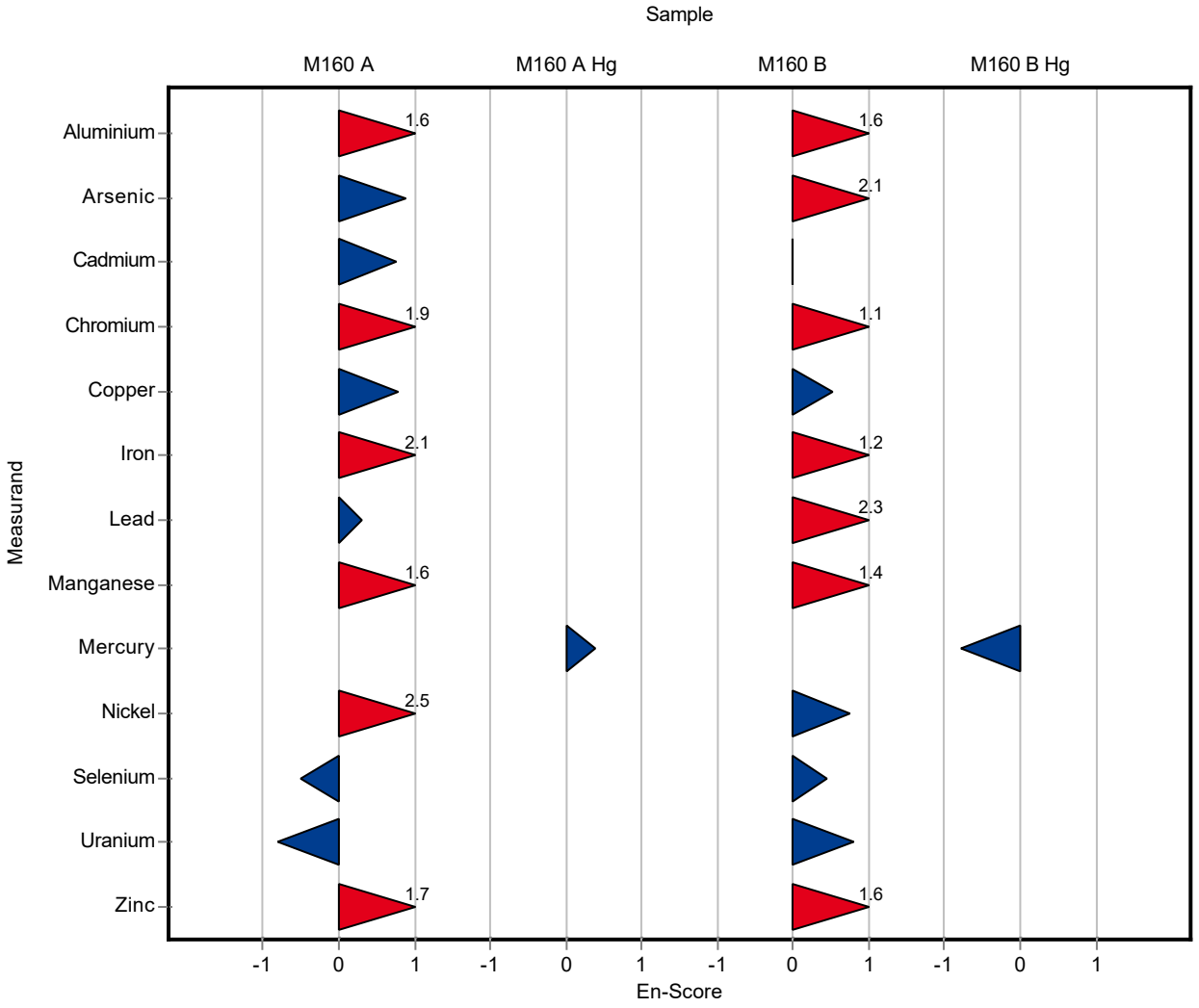
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	105 ± 2.25	117 ± 3.5	15.8	111	1.61
Arsenic	µg/l	5.66 ± 0.136	6.02 ± 0.055	0.736	106	2.07
Cadmium	µg/l	3.67 ± 0.0564	3.67 ± 0.12	0.367	99.9	-0.01
Chromium	µg/l	2.21 ± 0.0559	2.28 ± 0.017	0.188	103	1.10
Copper	µg/l	60.4 ± 0.94	60.9 ± 0.058	5.44	101	0.53
Iron	µg/l	113 ± 1.78	118 ± 2	12.4	104	1.16
Lead	µg/l	2.69 ± 0.0583	2.98 ± 0.057	0.403	111	2.29
Manganese	µg/l	20.7 ± 0.331	21.3 ± 0.1	1.49	103	1.43
Nickel	µg/l	15.3 ± 0.317	15.6 ± 0.15	1.83	102	0.75

Summary of results Metals and trace elements M160 - En-Score Labcode: LC0037

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Selenium	µg/l	5.28 ± 0.126	5.35 ± 0.045	0.634	101	0.44
Uranium	µg/l	1.72 ± 0.0429	1.81 ± 0.055	0.113	105	0.80
Zinc	µg/l	138 ± 1.77	141 ± 0.58	12.4	102	1.57

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	1.2 ± 0.0214	1.17 ± 0.015	0.168	97.6	-0.78



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	36.3 ± 1.04	44.7 ± 0.1	5.45	123	1.54
Arsenic	µg/l	2.34 ± 0.0752	2.13 ± 0.3	0.304	91.1	-0.68
Cadmium	µg/l	0.517 ± 0.0112	0.537 ± 0.05	0.0517	104	0.39
Chromium	µg/l	3.8 ± 0.0928	3.98 ± 0.1	0.323	105	0.55
Copper	µg/l	9.22 ± 0.241	9.88 ± 0.1	0.829	107	0.80
Iron	µg/l	54 ± 1.38	55.5 ± 0.3	5.94	103	0.25
Lead	µg/l	2.21 ± 0.0437	2.31 ± 0.3	0.332	104	0.30
Manganese	µg/l	30.1 ± 0.599	32.1 ± 0.05	2.17	107	0.90
Nickel	µg/l	5.18 ± 0.152	5.49 ± 0.1	0.622	106	0.49
Selenium	µg/l	2.19 ± 0.0565	2.03 ± 0.1	0.262	92.9	-0.59
Uranium	µg/l	3.49 ± 0.113	- ± -	0.231	-	-
Zinc	µg/l	88.5 ± 1.55	90.7 ± 0.3	7.97	102	0.27

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	0.944 ± 0.0244	0.937 ± 0.005	0.132	99.3	-0.05

Sample: M160B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	105 ± 2.25	105 ± 0.1	15.8	99.8	-0.01
Arsenic	µg/l	5.66 ± 0.136	5.47 ± 0.3	0.736	96.7	-0.26
Cadmium	µg/l	3.67 ± 0.0564	3.66 ± 0.05	0.367	99.6	-0.04
Chromium	µg/l	2.21 ± 0.0559	2.22 ± 0.1	0.188	101	0.07
Copper	µg/l	60.4 ± 0.94	61.4 ± 0.1	5.44	102	0.18
Iron	µg/l	113 ± 1.78	111 ± 0.3	12.4	98.3	-0.15
Lead	µg/l	2.69 ± 0.0583	2.81 ± 0.3	0.403	105	0.31
Manganese	µg/l	20.7 ± 0.331	20.9 ± 0.05	1.49	101	0.10
Nickel	µg/l	15.3 ± 0.317	15.3 ± 0.1	1.83	100	0.01
Selenium	µg/l	5.28 ± 0.126	5.12 ± 0.1	0.634	96.9	-0.26

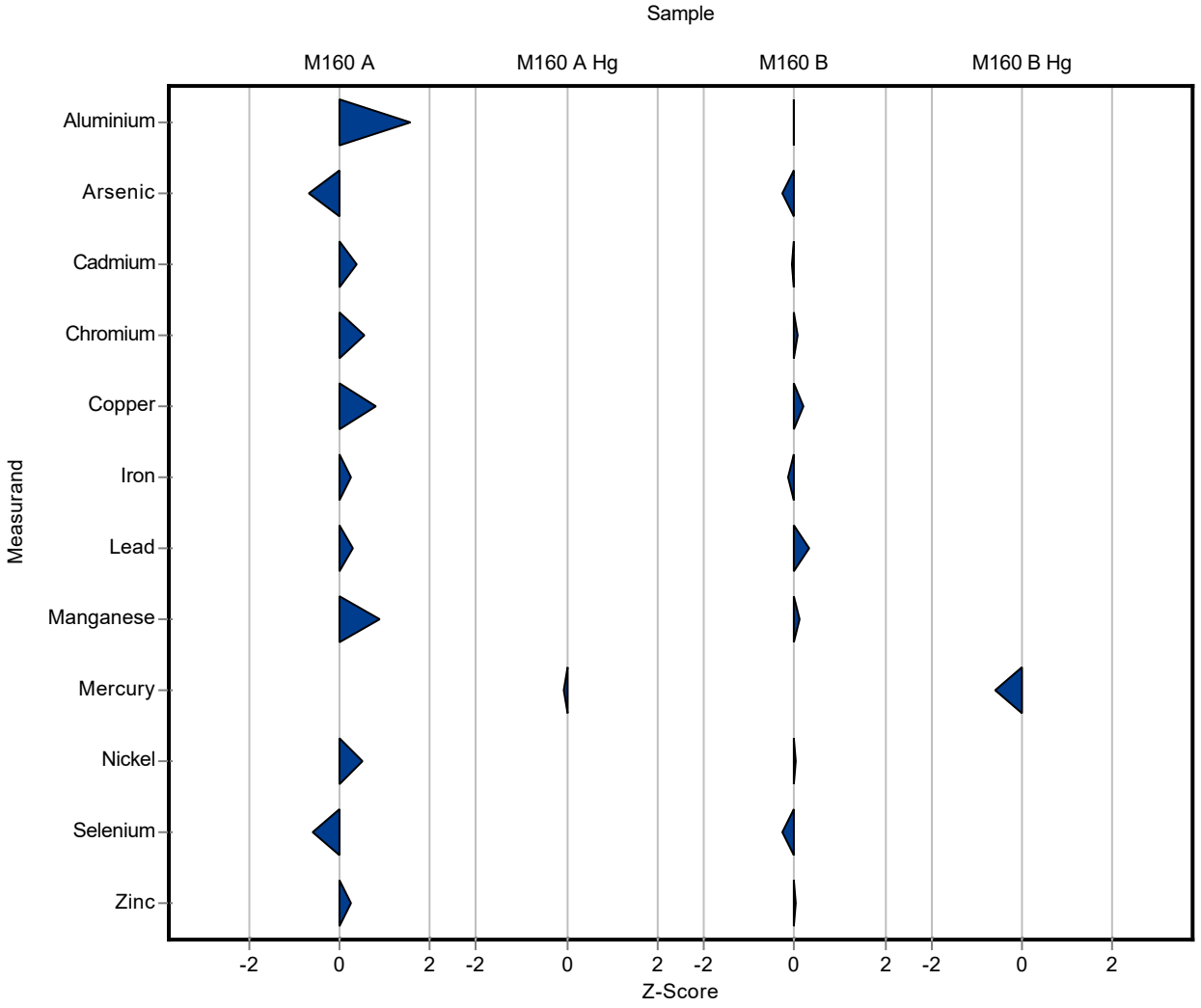
Summary of results Metals and trace elements M160

Labcode: LC0038

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Uranium	µg/l	1.72 ± 0.0429	- ± -	0.113	-	-
Zinc	µg/l	138 ± 1.77	138 ± 0.3	12.4	100	0.02

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	1.2 ± 0.0214	1.097 ± 0.005	0.168	91.5	-0.61



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	36.3 ± 1.04	44.7 ± 0.1	5.45	123	7.89
Arsenic	µg/l	2.34 ± 0.0752	2.13 ± 0.3	0.304	91.1	-0.34
Cadmium	µg/l	0.517 ± 0.0112	0.537 ± 0.05	0.0517	104	0.20
Chromium	µg/l	3.8 ± 0.0928	3.98 ± 0.1	0.323	105	0.80
Copper	µg/l	9.22 ± 0.241	9.88 ± 0.1	0.829	107	2.12
Iron	µg/l	54 ± 1.38	55.5 ± 0.3	5.94	103	0.98
Lead	µg/l	2.21 ± 0.0437	2.31 ± 0.3	0.332	104	0.16
Manganese	µg/l	30.1 ± 0.599	32.1 ± 0.05	2.17	107	3.23
Nickel	µg/l	5.18 ± 0.152	5.49 ± 0.1	0.622	106	1.22
Selenium	µg/l	2.19 ± 0.0565	2.03 ± 0.1	0.262	92.9	-0.75
Uranium	µg/l	3.49 ± 0.113	- ± -	0.231	-	-
Zinc	µg/l	88.5 ± 1.55	90.7 ± 0.3	7.97	102	1.30

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	0.944 ± 0.0244	0.937 ± 0.005	0.132	99.3	-0.26

Sample: M160B

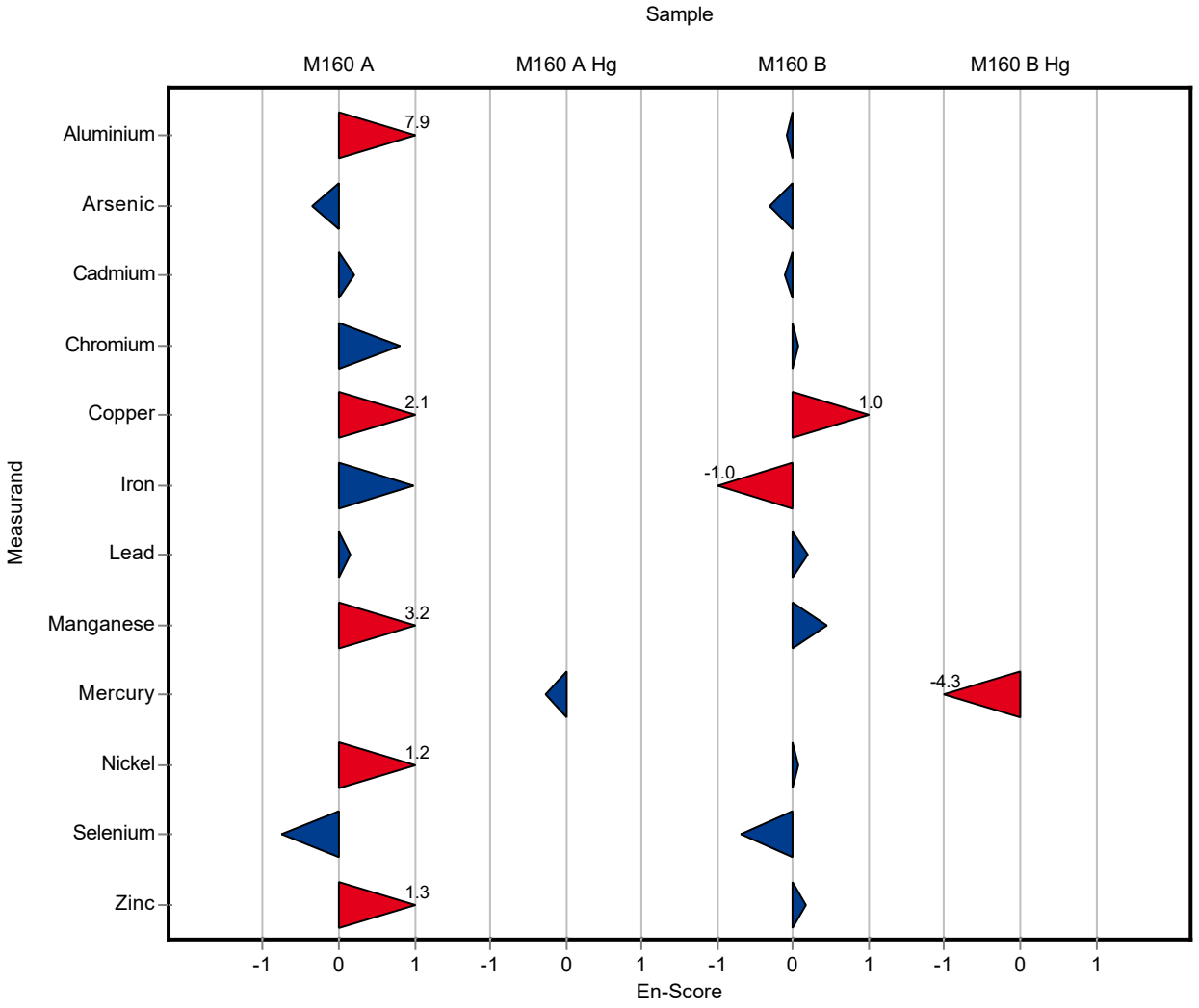
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	105 ± 2.25	105 ± 0.1	15.8	99.8	-0.08
Arsenic	µg/l	5.66 ± 0.136	5.47 ± 0.3	0.736	96.7	-0.31
Cadmium	µg/l	3.67 ± 0.0564	3.66 ± 0.05	0.367	99.6	-0.11
Chromium	µg/l	2.21 ± 0.0559	2.22 ± 0.1	0.188	101	0.06
Copper	µg/l	60.4 ± 0.94	61.4 ± 0.1	5.44	102	1.04
Iron	µg/l	113 ± 1.78	111 ± 0.3	12.4	98.3	-1.02
Lead	µg/l	2.69 ± 0.0583	2.81 ± 0.3	0.403	105	0.20
Manganese	µg/l	20.7 ± 0.331	20.9 ± 0.05	1.49	101	0.44
Nickel	µg/l	15.3 ± 0.317	15.3 ± 0.1	1.83	100	0.07

Summary of results Metals and trace elements M160 - En-Score Labcode: LC0038

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Selenium	µg/l	5.28 ± 0.126	5.12 ± 0.1	0.634	96.9	-0.69
Uranium	µg/l	1.72 ± 0.0429	- ± -	0.113	-	-
Zinc	µg/l	138 ± 1.77	138 ± 0.3	12.4	100	0.17

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	1.2 ± 0.0214	1.097 ± 0.005	0.168	91.5	-4.31



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	36.3 ± 1.04	41 ± 8.47	5.45	113	0.86
Arsenic	µg/l	2.34 ± 0.0752	2.75 ± 0.29	0.304	118	1.36
Cadmium	µg/l	0.517 ± 0.0112	0.47 ± 0.06	0.0517	90.9	-0.91
Chromium	µg/l	3.8 ± 0.0928	3.64 ± 0.77	0.323	95.7	-0.51
Copper	µg/l	9.22 ± 0.241	9 ± 0.73	0.829	97.7	-0.26
Iron	µg/l	54 ± 1.38	54.11 ± 6.74	5.94	100	0.01
Lead	µg/l	2.21 ± 0.0437	2.15 ± 0.24	0.332	97.2	-0.18
Manganese	µg/l	30.1 ± 0.599	31.64 ± 2.18	2.17	105	0.69
Nickel	µg/l	5.18 ± 0.152	5.55 ± 0.92	0.622	107	0.59
Selenium	µg/l	2.19 ± 0.0565	4 ± 0.45	0.262	183	6.92
Uranium	µg/l	3.49 ± 0.113	- ± -	0.231	-	-
Zinc	µg/l	88.5 ± 1.55	95.91 ± 11.13	7.97	108	0.93

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	0.944 ± 0.0244	0.99 ± 0.22	0.132	105	0.35

Sample: M160B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	105 ± 2.25	117.5 ± 24.29	15.8	112	0.78
Arsenic	µg/l	5.66 ± 0.136	5.5 ± 0.57	0.736	97.2	-0.22
Cadmium	µg/l	3.67 ± 0.0564	3.49 ± 0.42	0.367	95	-0.50
Chromium	µg/l	2.21 ± 0.0559	2.08 ± 0.44	0.188	94.2	-0.68
Copper	µg/l	60.4 ± 0.94	62 ± 5.02	5.44	103	0.29
Iron	µg/l	113 ± 1.78	116.88 ± 14.56	12.4	104	0.32
Lead	µg/l	2.69 ± 0.0583	2.7 ± 0.3	0.403	100	0.03
Manganese	µg/l	20.7 ± 0.331	20.94 ± 1.44	1.49	101	0.13
Nickel	µg/l	15.3 ± 0.317	16.4 ± 2.72	1.83	107	0.61
Selenium	µg/l	5.28 ± 0.126	6.5 ± 0.73	0.634	123	1.92

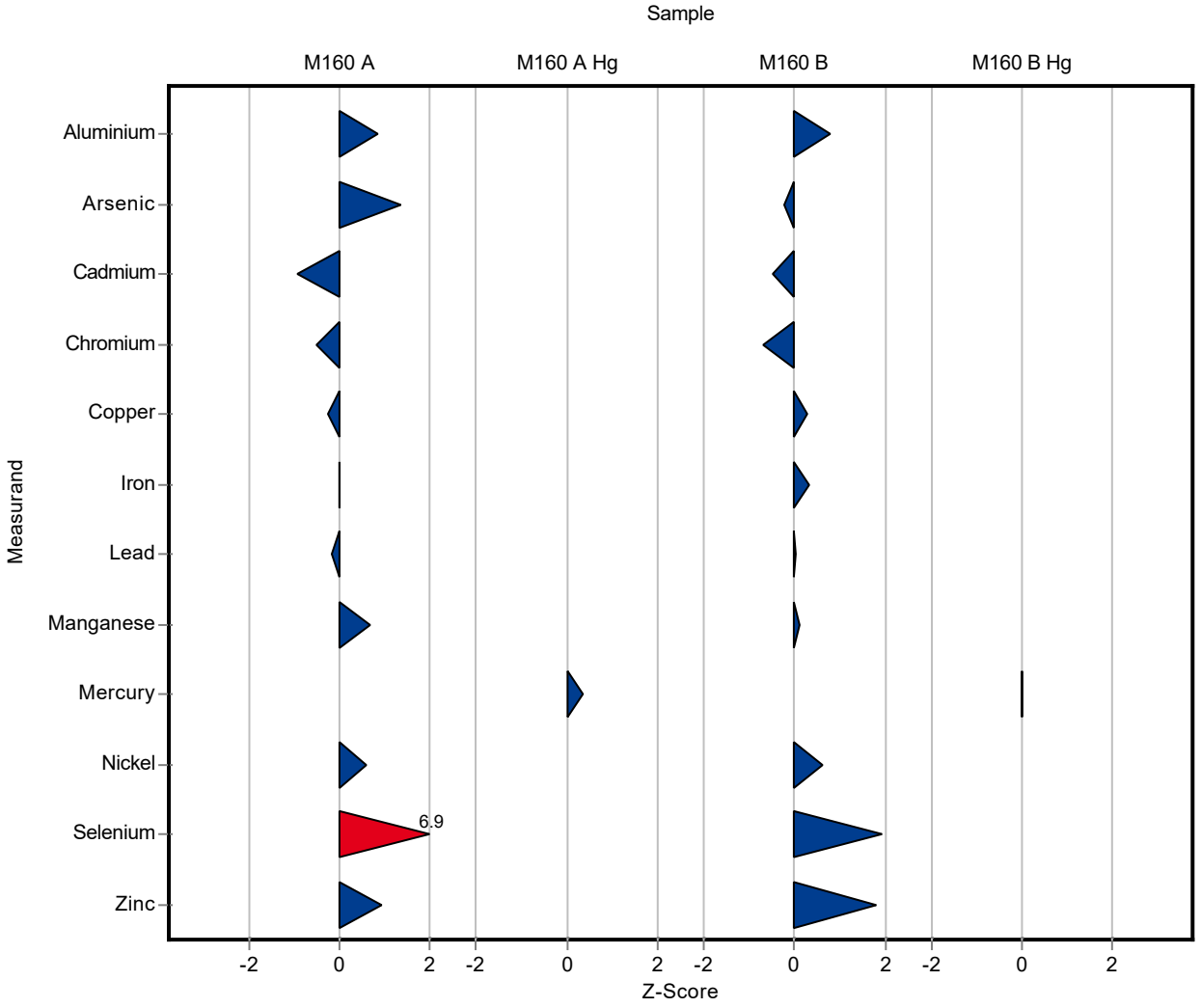
Summary of results Metals and trace elements M160

Labcode: LC0039

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Uranium	µg/l	1.72 ± 0.0429	- ± -	0.113	-	-
Zinc	µg/l	138 ± 1.77	160 ± 18.56	12.4	116	1.80

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	1.2 ± 0.0214	1.2 ± 0.27	0.168	100	0.01



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	36.3 ± 1.04	41 ± 8.47	5.45	113	0.28
Arsenic	µg/l	2.34 ± 0.0752	2.75 ± 0.29	0.304	118	0.70
Cadmium	µg/l	0.517 ± 0.0112	0.47 ± 0.06	0.0517	90.9	-0.39
Chromium	µg/l	3.8 ± 0.0928	3.64 ± 0.77	0.323	95.7	-0.11
Copper	µg/l	9.22 ± 0.241	9 ± 0.73	0.829	97.7	-0.15
Iron	µg/l	54 ± 1.38	54.11 ± 6.74	5.94	100	0.01
Lead	µg/l	2.21 ± 0.0437	2.15 ± 0.24	0.332	97.2	-0.13
Manganese	µg/l	30.1 ± 0.599	31.64 ± 2.18	2.17	105	0.34
Nickel	µg/l	5.18 ± 0.152	5.55 ± 0.92	0.622	107	0.20
Selenium	µg/l	2.19 ± 0.0565	4 ± 0.45	0.262	183	2.01
Uranium	µg/l	3.49 ± 0.113	- ± -	0.231	-	-
Zinc	µg/l	88.5 ± 1.55	95.91 ± 11.13	7.97	108	0.33

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	0.944 ± 0.0244	0.99 ± 0.22	0.132	105	0.10

Sample: M160B

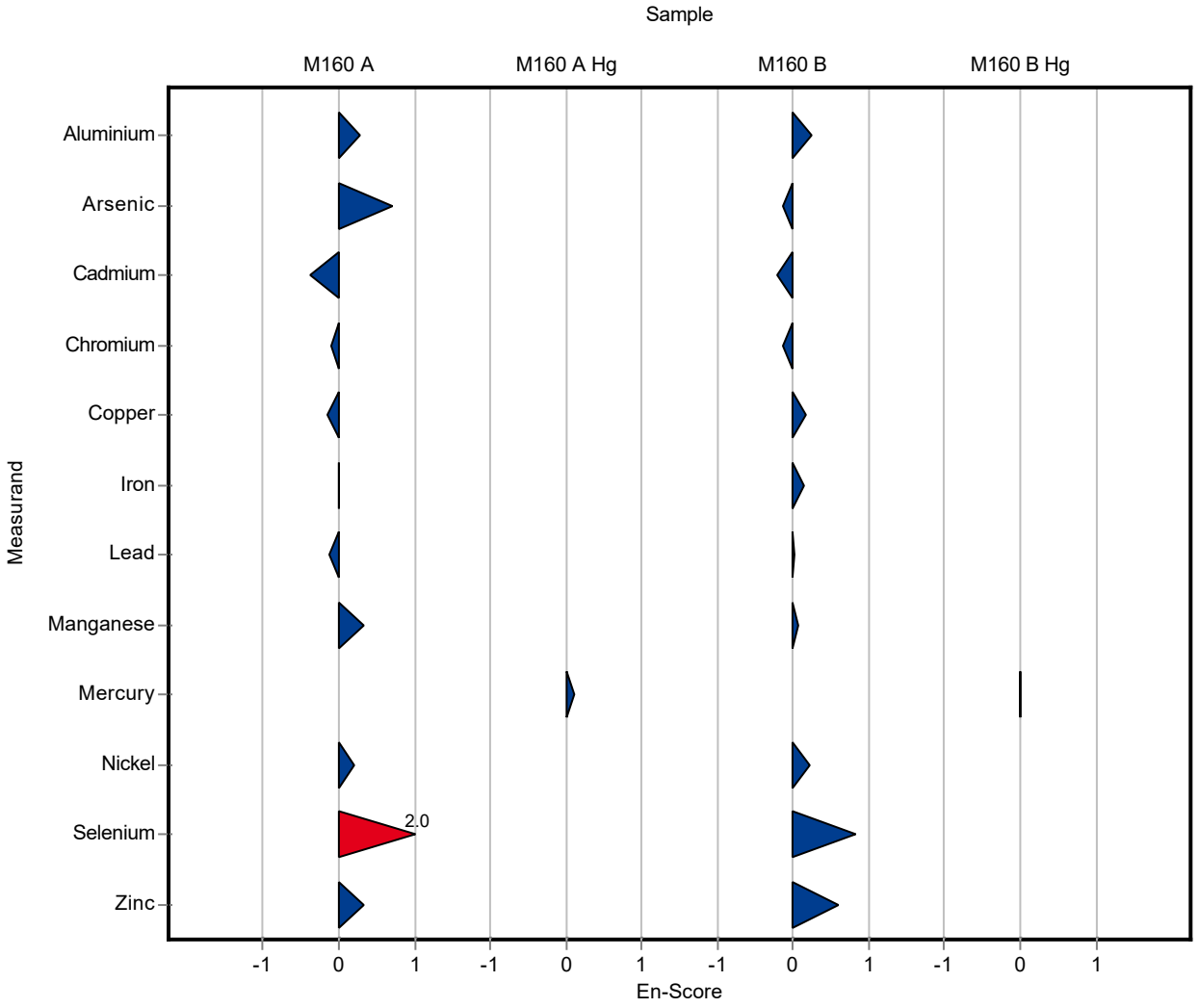
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	105 ± 2.25	117.5 ± 24.29	15.8	112	0.25
Arsenic	µg/l	5.66 ± 0.136	5.5 ± 0.57	0.736	97.2	-0.14
Cadmium	µg/l	3.67 ± 0.0564	3.49 ± 0.42	0.367	95	-0.22
Chromium	µg/l	2.21 ± 0.0559	2.08 ± 0.44	0.188	94.2	-0.14
Copper	µg/l	60.4 ± 0.94	62 ± 5.02	5.44	103	0.16
Iron	µg/l	113 ± 1.78	116.88 ± 14.56	12.4	104	0.14
Lead	µg/l	2.69 ± 0.0583	2.7 ± 0.3	0.403	100	0.02
Manganese	µg/l	20.7 ± 0.331	20.94 ± 1.44	1.49	101	0.07
Nickel	µg/l	15.3 ± 0.317	16.4 ± 2.72	1.83	107	0.21

Summary of results Metals and trace elements M160 - En-Score Labcode: LC0039

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Selenium	µg/l	5.28 ± 0.126	6.5 ± 0.73	0.634	123	0.83
Uranium	µg/l	1.72 ± 0.0429	- ± -	0.113	-	-
Zinc	µg/l	138 ± 1.77	160 ± 18.56	12.4	116	0.60

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	1.2 ± 0.0214	1.2 ± 0.27	0.168	100	0.00



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	36.3 ± 1.04	- ± -	5.45	-	-
Arsenic	µg/l	2.34 ± 0.0752	- ± -	0.304	-	-
Cadmium	µg/l	0.517 ± 0.0112	- ± -	0.0517	-	-
Chromium	µg/l	3.8 ± 0.0928	- ± -	0.323	-	-
Copper	µg/l	9.22 ± 0.241	- ± -	0.829	-	-
Iron	µg/l	54 ± 1.38	- ± -	5.94	-	-
Lead	µg/l	2.21 ± 0.0437	- ± -	0.332	-	-
Manganese	µg/l	30.1 ± 0.599	- ± -	2.17	-	-
Nickel	µg/l	5.18 ± 0.152	- ± -	0.622	-	-
Selenium	µg/l	2.19 ± 0.0565	- ± -	0.262	-	-
Uranium	µg/l	3.49 ± 0.113	- ± -	0.231	-	-
Zinc	µg/l	88.5 ± 1.55	- ± -	7.97	-	-

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	0.944 ± 0.0244	- ± -	0.132	-	-

Sample: M160B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	105 ± 2.25	- ± -	15.8	-	-
Arsenic	µg/l	5.66 ± 0.136	- ± -	0.736	-	-
Cadmium	µg/l	3.67 ± 0.0564	- ± -	0.367	-	-
Chromium	µg/l	2.21 ± 0.0559	- ± -	0.188	-	-
Copper	µg/l	60.4 ± 0.94	- ± -	5.44	-	-
Iron	µg/l	113 ± 1.78	- ± -	12.4	-	-
Lead	µg/l	2.69 ± 0.0583	- ± -	0.403	-	-
Manganese	µg/l	20.7 ± 0.331	- ± -	1.49	-	-
Nickel	µg/l	15.3 ± 0.317	- ± -	1.83	-	-
Selenium	µg/l	5.28 ± 0.126	- ± -	0.634	-	-

Summary of results Metals and trace elements M160 Labcode: LC0040

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Uranium	µg/l	1.72 ± 0.0429	- ± -	0.113	-	-
Zinc	µg/l	138 ± 1.77	- ± -	12.4	-	-

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	1.2 ± 0.0214	- ± -	0.168	-	-

Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	36.3 ± 1.04	- ± -	5.45	-	-
Arsenic	µg/l	2.34 ± 0.0752	- ± -	0.304	-	-
Cadmium	µg/l	0.517 ± 0.0112	- ± -	0.0517	-	-
Chromium	µg/l	3.8 ± 0.0928	- ± -	0.323	-	-
Copper	µg/l	9.22 ± 0.241	- ± -	0.829	-	-
Iron	µg/l	54 ± 1.38	- ± -	5.94	-	-
Lead	µg/l	2.21 ± 0.0437	- ± -	0.332	-	-
Manganese	µg/l	30.1 ± 0.599	- ± -	2.17	-	-
Nickel	µg/l	5.18 ± 0.152	- ± -	0.622	-	-
Selenium	µg/l	2.19 ± 0.0565	- ± -	0.262	-	-
Uranium	µg/l	3.49 ± 0.113	- ± -	0.231	-	-
Zinc	µg/l	88.5 ± 1.55	- ± -	7.97	-	-

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	0.944 ± 0.0244	- ± -	0.132	-	-

Sample: M160B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	105 ± 2.25	- ± -	15.8	-	-
Arsenic	µg/l	5.66 ± 0.136	- ± -	0.736	-	-
Cadmium	µg/l	3.67 ± 0.0564	- ± -	0.367	-	-
Chromium	µg/l	2.21 ± 0.0559	- ± -	0.188	-	-
Copper	µg/l	60.4 ± 0.94	- ± -	5.44	-	-
Iron	µg/l	113 ± 1.78	- ± -	12.4	-	-
Lead	µg/l	2.69 ± 0.0583	- ± -	0.403	-	-
Manganese	µg/l	20.7 ± 0.331	- ± -	1.49	-	-
Nickel	µg/l	15.3 ± 0.317	- ± -	1.83	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Selenium	µg/l	5.28 ± 0.126	- ± -	0.634	-	-
Uranium	µg/l	1.72 ± 0.0429	- ± -	0.113	-	-
Zinc	µg/l	138 ± 1.77	- ± -	12.4	-	-

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	1.2 ± 0.0214	- ± -	0.168	-	-

Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	36.3 ± 1.04	32.73 ± 2.85	5.45	90.1	-0.66
Arsenic	µg/l	2.34 ± 0.0752	3.868 ± 0.28	0.304	165	5.04
Cadmium	µg/l	0.517 ± 0.0112	0.455 ± 0.031	0.0517	88	-1.20
Chromium	µg/l	3.8 ± 0.0928	3.815 ± 0.28	0.323	100	0.03
Copper	µg/l	9.22 ± 0.241	9.893 ± 0.68	0.829	107	0.82
Iron	µg/l	54 ± 1.38	10 ± 0.65	5.94	18.5	-7.41
Lead	µg/l	2.21 ± 0.0437	2.819 ± 0.19	0.332	127	1.83
Manganese	µg/l	30.1 ± 0.599	28.64 ± 1.96	2.17	95	-0.69
Nickel	µg/l	5.18 ± 0.152	5.44 ± 0.48	0.622	105	0.41
Selenium	µg/l	2.19 ± 0.0565	2.748 ± 0.18	0.262	126	2.14
Uranium	µg/l	3.49 ± 0.113	5.805 ± 0.442	0.231	166	10.00
Zinc	µg/l	88.5 ± 1.55	89.6 ± 6.25	7.97	101	0.13

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	0.944 ± 0.0244	0.891 ± 0.085	0.132	94.4	-0.40

Sample: M160B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	105 ± 2.25	99.27 ± 8.71	15.8	94.4	-0.38
Arsenic	µg/l	5.66 ± 0.136	5.93 ± 0.425	0.736	105	0.37
Cadmium	µg/l	3.67 ± 0.0564	3.295 ± 0.225	0.367	89.7	-1.03
Chromium	µg/l	2.21 ± 0.0559	2.182 ± 0.16	0.188	98.8	-0.14
Copper	µg/l	60.4 ± 0.94	61.88 ± 4.27	5.44	102	0.27
Iron	µg/l	113 ± 1.78	110.2 ± 7.15	12.4	97.6	-0.22
Lead	µg/l	2.69 ± 0.0583	2.927 ± 0.195	0.403	109	0.60
Manganese	µg/l	20.7 ± 0.331	20.05 ± 1.37	1.49	96.6	-0.47
Nickel	µg/l	15.3 ± 0.317	15.68 ± 1.375	1.83	103	0.22
Selenium	µg/l	5.28 ± 0.126	5.013 ± 0.33	0.634	94.9	-0.42

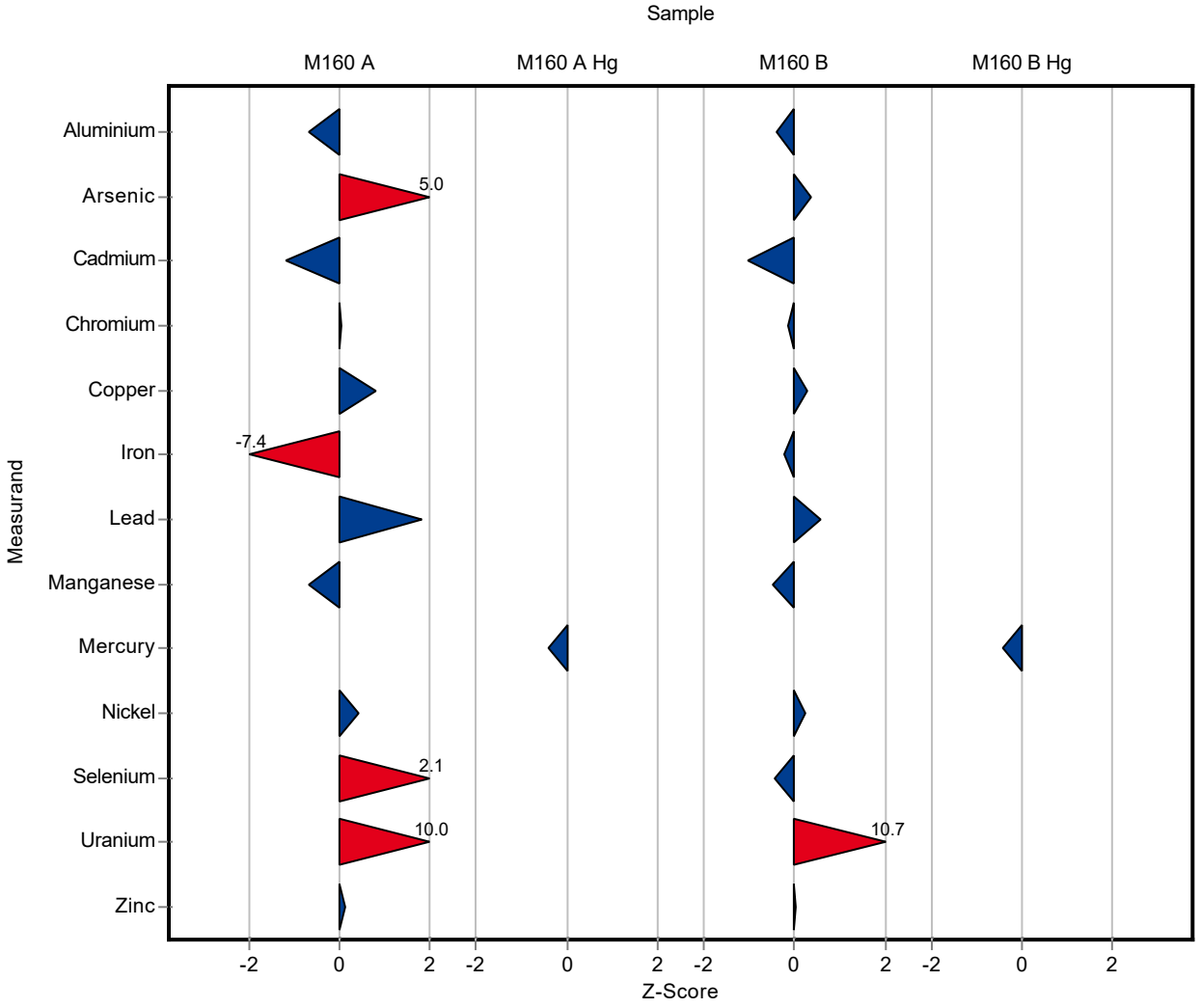
Summary of results Metals and trace elements M160

Labcode: LC0041

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Uranium	µg/l	1.72 ± 0.0429	2.93 ± 0.22	0.113	171	10.70
Zinc	µg/l	138 ± 1.77	138.3 ± 9.65	12.4	100	0.05

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	1.2 ± 0.0214	1.13 ± 0.105	0.168	94.3	-0.41



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	36.3 ± 1.04	32.73 ± 2.85	5.45	90.1	-0.62
Arsenic	µg/l	2.34 ± 0.0752	3.868 ± 0.28	0.304	165	2.71
Cadmium	µg/l	0.517 ± 0.0112	0.455 ± 0.031	0.0517	88	-0.98
Chromium	µg/l	3.8 ± 0.0928	3.815 ± 0.28	0.323	100	0.02
Copper	µg/l	9.22 ± 0.241	9.893 ± 0.68	0.829	107	0.49
Iron	µg/l	54 ± 1.38	10 ± 0.65	5.94	18.5	-23.30
Lead	µg/l	2.21 ± 0.0437	2.819 ± 0.19	0.332	127	1.59
Manganese	µg/l	30.1 ± 0.599	28.64 ± 1.96	2.17	95	-0.38
Nickel	µg/l	5.18 ± 0.152	5.44 ± 0.48	0.622	105	0.26
Selenium	µg/l	2.19 ± 0.0565	2.748 ± 0.18	0.262	126	1.54
Uranium	µg/l	3.49 ± 0.113	5.805 ± 0.442	0.231	166	2.59
Zinc	µg/l	88.5 ± 1.55	89.6 ± 6.25	7.97	101	0.08

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	0.944 ± 0.0244	0.891 ± 0.085	0.132	94.4	-0.31

Sample: M160B

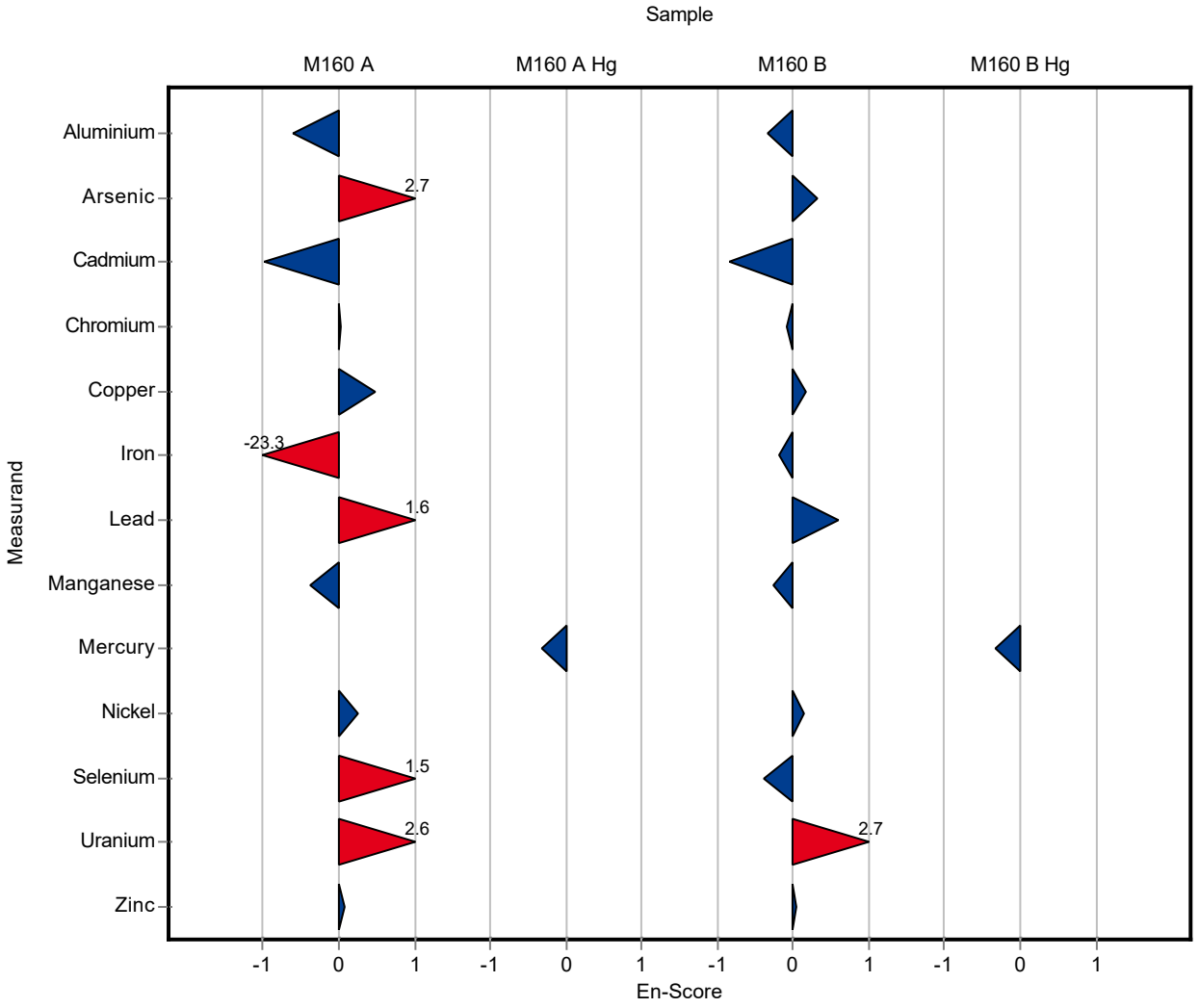
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	105 ± 2.25	99.27 ± 8.71	15.8	94.4	-0.34
Arsenic	µg/l	5.66 ± 0.136	5.93 ± 0.425	0.736	105	0.32
Cadmium	µg/l	3.67 ± 0.0564	3.295 ± 0.225	0.367	89.7	-0.83
Chromium	µg/l	2.21 ± 0.0559	2.182 ± 0.16	0.188	98.8	-0.08
Copper	µg/l	60.4 ± 0.94	61.88 ± 4.27	5.44	102	0.17
Iron	µg/l	113 ± 1.78	110.2 ± 7.15	12.4	97.6	-0.19
Lead	µg/l	2.69 ± 0.0583	2.927 ± 0.195	0.403	109	0.61
Manganese	µg/l	20.7 ± 0.331	20.05 ± 1.37	1.49	96.6	-0.25
Nickel	µg/l	15.3 ± 0.317	15.68 ± 1.375	1.83	103	0.15

Summary of results Metals and trace elements M160 - En-Score Labcode: LC0041

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Selenium	µg/l	5.28 ± 0.126	5.013 ± 0.33	0.634	94.9	-0.40
Uranium	µg/l	1.72 ± 0.0429	2.93 ± 0.22	0.113	171	2.75
Zinc	µg/l	138 ± 1.77	138.3 ± 9.65	12.4	100	0.03

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	1.2 ± 0.0214	1.13 ± 0.105	0.168	94.3	-0.33



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	36.3 ± 1.04	35.5 ± 7	5.45	97.8	-0.15
Arsenic	µg/l	2.34 ± 0.0752	2.03 ± 0.4	0.304	86.8	-1.01
Cadmium	µg/l	0.517 ± 0.0112	0.4 ± 0.08	0.0517	77.4	-2.26
Chromium	µg/l	3.8 ± 0.0928	3.58 ± 0.7	0.323	94.1	-0.69
Copper	µg/l	9.22 ± 0.241	8.4 ± 2	0.829	91.1	-0.98
Iron	µg/l	54 ± 1.38	48 ± 10	5.94	88.8	-1.01
Lead	µg/l	2.21 ± 0.0437	2.15 ± 0.4	0.332	97.2	-0.18
Manganese	µg/l	30.1 ± 0.599	28.3 ± 6	2.17	93.9	-0.85
Nickel	µg/l	5.18 ± 0.152	4.7 ± 1	0.622	90.7	-0.78
Selenium	µg/l	2.19 ± 0.0565	1.98 ± 0.4	0.262	90.6	-0.78
Uranium	µg/l	3.49 ± 0.113	3.35 ± 0.7	0.231	95.9	-0.62
Zinc	µg/l	88.5 ± 1.55	85 ± 17	7.97	96	-0.44

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	0.944 ± 0.0244	1.03 ± 0.2	0.132	109	0.65

Sample: M160B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	105 ± 2.25	103 ± 21	15.8	97.9	-0.14
Arsenic	µg/l	5.66 ± 0.136	5 ± 1	0.736	88.4	-0.90
Cadmium	µg/l	3.67 ± 0.0564	3.1 ± 0.6	0.367	84.4	-1.56
Chromium	µg/l	2.21 ± 0.0559	2.08 ± 0.4	0.188	94.2	-0.68
Copper	µg/l	60.4 ± 0.94	58.8 ± 12	5.44	97.3	-0.29
Iron	µg/l	113 ± 1.78	110 ± 22	12.4	97.4	-0.23
Lead	µg/l	2.69 ± 0.0583	2.7 ± 0.5	0.403	100	0.03
Manganese	µg/l	20.7 ± 0.331	19.5 ± 4	1.49	94	-0.84
Nickel	µg/l	15.3 ± 0.317	14.8 ± 3	1.83	96.9	-0.26
Selenium	µg/l	5.28 ± 0.126	4.73 ± 0.9	0.634	89.6	-0.87

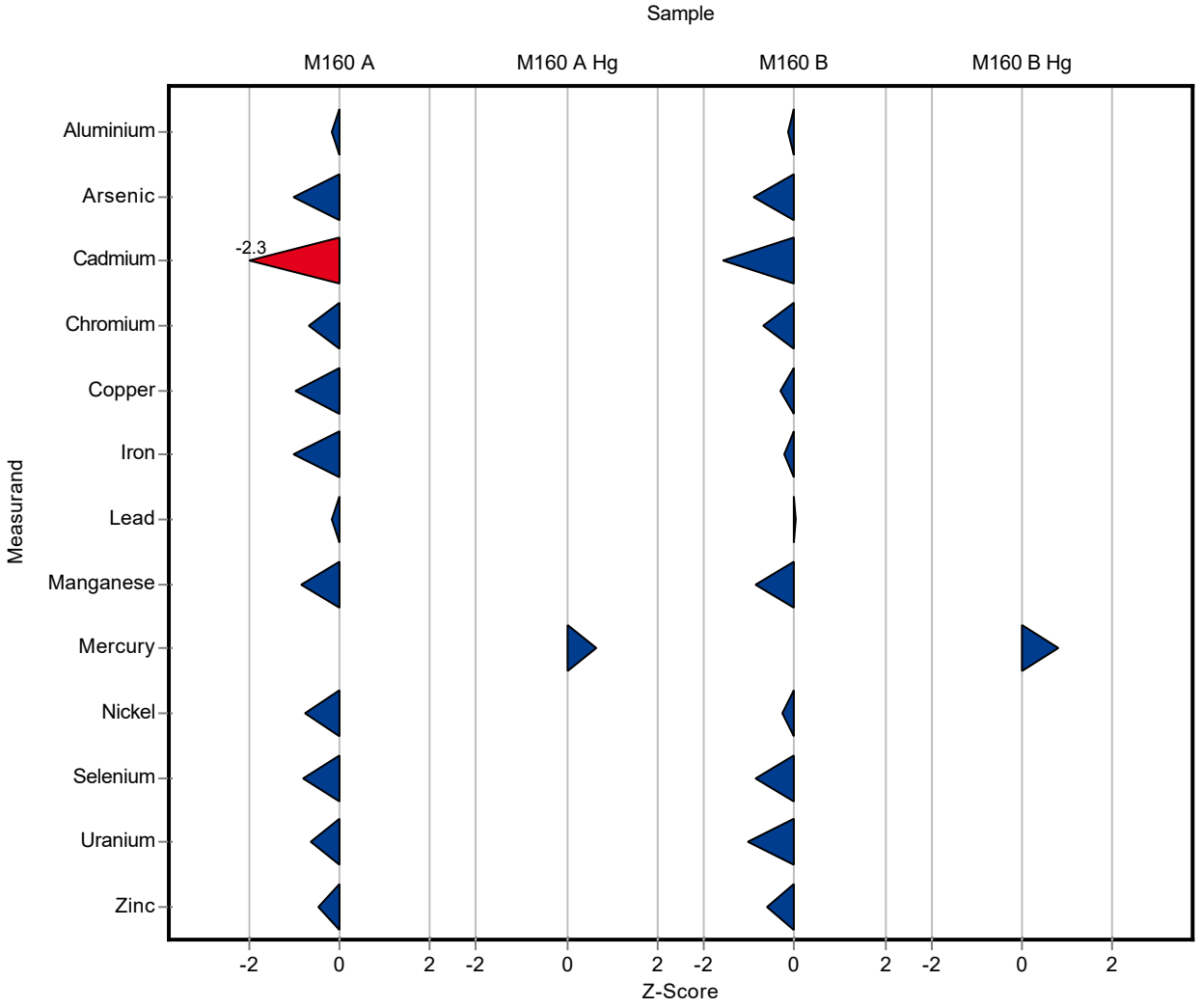
Summary of results Metals and trace elements M160

Labcode: LC0042

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Uranium	µg/l	1.72 ± 0.0429	1.6 ± 0.3	0.113	93.2	-1.03
Zinc	µg/l	138 ± 1.77	130 ± 26	12.4	94.4	-0.62

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	1.2 ± 0.0214	1.33 ± 0.3	0.168	111	0.78



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	36.3 ± 1.04	35.5 ± 7	5.45	97.8	-0.06
Arsenic	µg/l	2.34 ± 0.0752	2.03 ± 0.4	0.304	86.8	-0.38
Cadmium	µg/l	0.517 ± 0.0112	0.4 ± 0.08	0.0517	77.4	-0.73
Chromium	µg/l	3.8 ± 0.0928	3.58 ± 0.7	0.323	94.1	-0.16
Copper	µg/l	9.22 ± 0.241	8.4 ± 2	0.829	91.1	-0.20
Iron	µg/l	54 ± 1.38	48 ± 10	5.94	88.8	-0.30
Lead	µg/l	2.21 ± 0.0437	2.15 ± 0.4	0.332	97.2	-0.08
Manganese	µg/l	30.1 ± 0.599	28.3 ± 6	2.17	93.9	-0.15
Nickel	µg/l	5.18 ± 0.152	4.7 ± 1	0.622	90.7	-0.24
Selenium	µg/l	2.19 ± 0.0565	1.98 ± 0.4	0.262	90.6	-0.26
Uranium	µg/l	3.49 ± 0.113	3.35 ± 0.7	0.231	95.9	-0.10
Zinc	µg/l	88.5 ± 1.55	85 ± 17	7.97	96	-0.10

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	0.944 ± 0.0244	1.03 ± 0.2	0.132	109	0.21

Sample: M160B

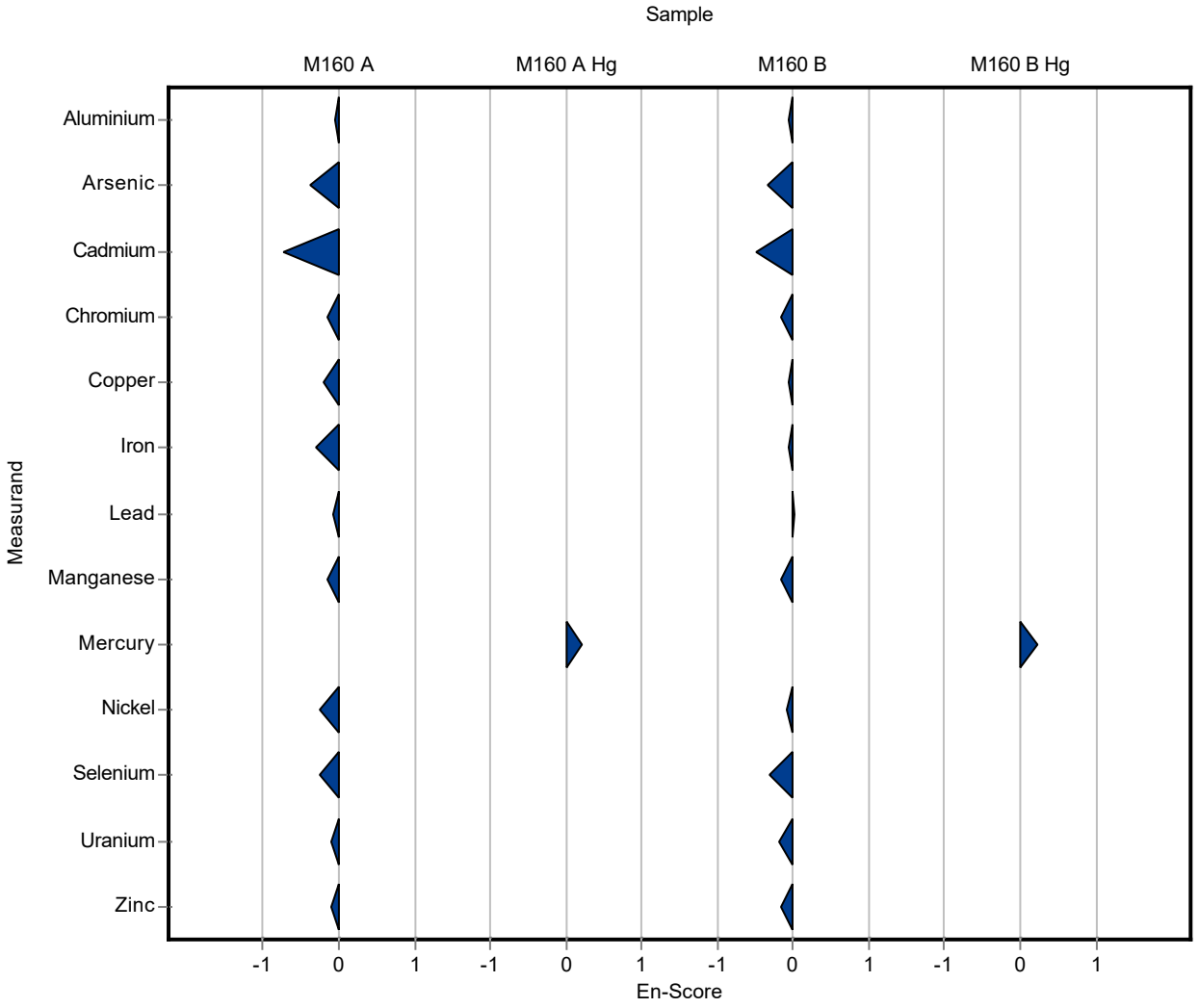
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	105 ± 2.25	103 ± 21	15.8	97.9	-0.05
Arsenic	µg/l	5.66 ± 0.136	5 ± 1	0.736	88.4	-0.33
Cadmium	µg/l	3.67 ± 0.0564	3.1 ± 0.6	0.367	84.4	-0.48
Chromium	µg/l	2.21 ± 0.0559	2.08 ± 0.4	0.188	94.2	-0.16
Copper	µg/l	60.4 ± 0.94	58.8 ± 12	5.44	97.3	-0.07
Iron	µg/l	113 ± 1.78	110 ± 22	12.4	97.4	-0.07
Lead	µg/l	2.69 ± 0.0583	2.7 ± 0.5	0.403	100	0.01
Manganese	µg/l	20.7 ± 0.331	19.5 ± 4	1.49	94	-0.16
Nickel	µg/l	15.3 ± 0.317	14.8 ± 3	1.83	96.9	-0.08

Summary of results Metals and trace elements M160 - En-Score Labcode: LC0042

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Selenium	µg/l	5.28 ± 0.126	4.73 ± 0.9	0.634	89.6	-0.31
Uranium	µg/l	1.72 ± 0.0429	1.6 ± 0.3	0.113	93.2	-0.19
Zinc	µg/l	138 ± 1.77	130 ± 26	12.4	94.4	-0.15

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	1.2 ± 0.0214	1.33 ± 0.3	0.168	111	0.22



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	36.3 ± 1.04	- ± -	5.45	-	-
Arsenic	µg/l	2.34 ± 0.0752	- ± -	0.304	-	-
Cadmium	µg/l	0.517 ± 0.0112	- ± -	0.0517	-	-
Chromium	µg/l	3.8 ± 0.0928	- ± -	0.323	-	-
Copper	µg/l	9.22 ± 0.241	- ± -	0.829	-	-
Iron	µg/l	54 ± 1.38	- ± -	5.94	-	-
Lead	µg/l	2.21 ± 0.0437	- ± -	0.332	-	-
Manganese	µg/l	30.1 ± 0.599	- ± -	2.17	-	-
Nickel	µg/l	5.18 ± 0.152	- ± -	0.622	-	-
Selenium	µg/l	2.19 ± 0.0565	- ± -	0.262	-	-
Uranium	µg/l	3.49 ± 0.113	- ± -	0.231	-	-
Zinc	µg/l	88.5 ± 1.55	- ± -	7.97	-	-

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	0.944 ± 0.0244	- ± -	0.132	-	-

Sample: M160B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	105 ± 2.25	- ± -	15.8	-	-
Arsenic	µg/l	5.66 ± 0.136	- ± -	0.736	-	-
Cadmium	µg/l	3.67 ± 0.0564	- ± -	0.367	-	-
Chromium	µg/l	2.21 ± 0.0559	- ± -	0.188	-	-
Copper	µg/l	60.4 ± 0.94	- ± -	5.44	-	-
Iron	µg/l	113 ± 1.78	- ± -	12.4	-	-
Lead	µg/l	2.69 ± 0.0583	- ± -	0.403	-	-
Manganese	µg/l	20.7 ± 0.331	- ± -	1.49	-	-
Nickel	µg/l	15.3 ± 0.317	- ± -	1.83	-	-
Selenium	µg/l	5.28 ± 0.126	- ± -	0.634	-	-

Summary of results Metals and trace elements M160 Labcode: LC0043

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Uranium	µg/l	1.72 ± 0.0429	- ± -	0.113	-	-
Zinc	µg/l	138 ± 1.77	- ± -	12.4	-	-

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	1.2 ± 0.0214	- ± -	0.168	-	-

Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	36.3 ± 1.04	- ± -	5.45	-	-
Arsenic	µg/l	2.34 ± 0.0752	- ± -	0.304	-	-
Cadmium	µg/l	0.517 ± 0.0112	- ± -	0.0517	-	-
Chromium	µg/l	3.8 ± 0.0928	- ± -	0.323	-	-
Copper	µg/l	9.22 ± 0.241	- ± -	0.829	-	-
Iron	µg/l	54 ± 1.38	- ± -	5.94	-	-
Lead	µg/l	2.21 ± 0.0437	- ± -	0.332	-	-
Manganese	µg/l	30.1 ± 0.599	- ± -	2.17	-	-
Nickel	µg/l	5.18 ± 0.152	- ± -	0.622	-	-
Selenium	µg/l	2.19 ± 0.0565	- ± -	0.262	-	-
Uranium	µg/l	3.49 ± 0.113	- ± -	0.231	-	-
Zinc	µg/l	88.5 ± 1.55	- ± -	7.97	-	-

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	0.944 ± 0.0244	- ± -	0.132	-	-

Sample: M160B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	105 ± 2.25	- ± -	15.8	-	-
Arsenic	µg/l	5.66 ± 0.136	- ± -	0.736	-	-
Cadmium	µg/l	3.67 ± 0.0564	- ± -	0.367	-	-
Chromium	µg/l	2.21 ± 0.0559	- ± -	0.188	-	-
Copper	µg/l	60.4 ± 0.94	- ± -	5.44	-	-
Iron	µg/l	113 ± 1.78	- ± -	12.4	-	-
Lead	µg/l	2.69 ± 0.0583	- ± -	0.403	-	-
Manganese	µg/l	20.7 ± 0.331	- ± -	1.49	-	-
Nickel	µg/l	15.3 ± 0.317	- ± -	1.83	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Selenium	µg/l	5.28 ± 0.126	- ± -	0.634	-	-
Uranium	µg/l	1.72 ± 0.0429	- ± -	0.113	-	-
Zinc	µg/l	138 ± 1.77	- ± -	12.4	-	-

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	1.2 ± 0.0214	- ± -	0.168	-	-

Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	36.3 ± 1.04	29.269 ± 0.4829	5.45	80.6	-1.29
Arsenic	µg/l	2.34 ± 0.0752	3.167 ± 0.0653	0.304	135	2.73
Cadmium	µg/l	0.517 ± 0.0112	0.468 ± 0.0078	0.0517	90.5	-0.94
Chromium	µg/l	3.8 ± 0.0928	5.795 ± 0.2248	0.323	152	6.16
Copper	µg/l	9.22 ± 0.241	8.711 ± 0.1458	0.829	94.5	-0.61
Iron	µg/l	54 ± 1.38	641.08 ± 14.83	5.94	1190	98.80
Lead	µg/l	2.21 ± 0.0437	2.066 ± 0.0625	0.332	93.4	-0.44
Manganese	µg/l	30.1 ± 0.599	30.045 ± 0.1606	2.17	99.7	-0.04
Nickel	µg/l	5.18 ± 0.152	6.416 ± 0.306	0.622	124	1.98
Selenium	µg/l	2.19 ± 0.0565	2.433 ± 0.0665	0.262	111	0.94
Uranium	µg/l	3.49 ± 0.113	2.924 ± 0.0791	0.231	83.7	-2.47
Zinc	µg/l	88.5 ± 1.55	89.516 ± 1.3897	7.97	101	0.12

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	0.944 ± 0.0244	- ± -	0.132	-	-

Sample: M160B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Aluminium	µg/l	105 ± 2.25	118.54 ± 9.9197	15.8	113	0.85
Arsenic	µg/l	5.66 ± 0.136	5.365 ± 0.275	0.736	94.8	-0.40
Cadmium	µg/l	3.67 ± 0.0564	3.405 ± 0.0601	0.367	92.7	-0.73
Chromium	µg/l	2.21 ± 0.0559	2.605 ± 0.0467	0.188	118	2.12
Copper	µg/l	60.4 ± 0.94	56.591 ± 0.7639	5.44	93.7	-0.70
Iron	µg/l	113 ± 1.78	381.37 ± 0.53154	12.4	338	21.60
Lead	µg/l	2.69 ± 0.0583	2.539 ± 0.0934	0.403	94.5	-0.37
Manganese	µg/l	20.7 ± 0.331	21.099 ± 0.3028	1.49	102	0.23
Nickel	µg/l	15.3 ± 0.317	16.423 ± 0.206	1.83	108	0.63
Selenium	µg/l	5.28 ± 0.126	5.374 ± 0.178	0.634	102	0.14

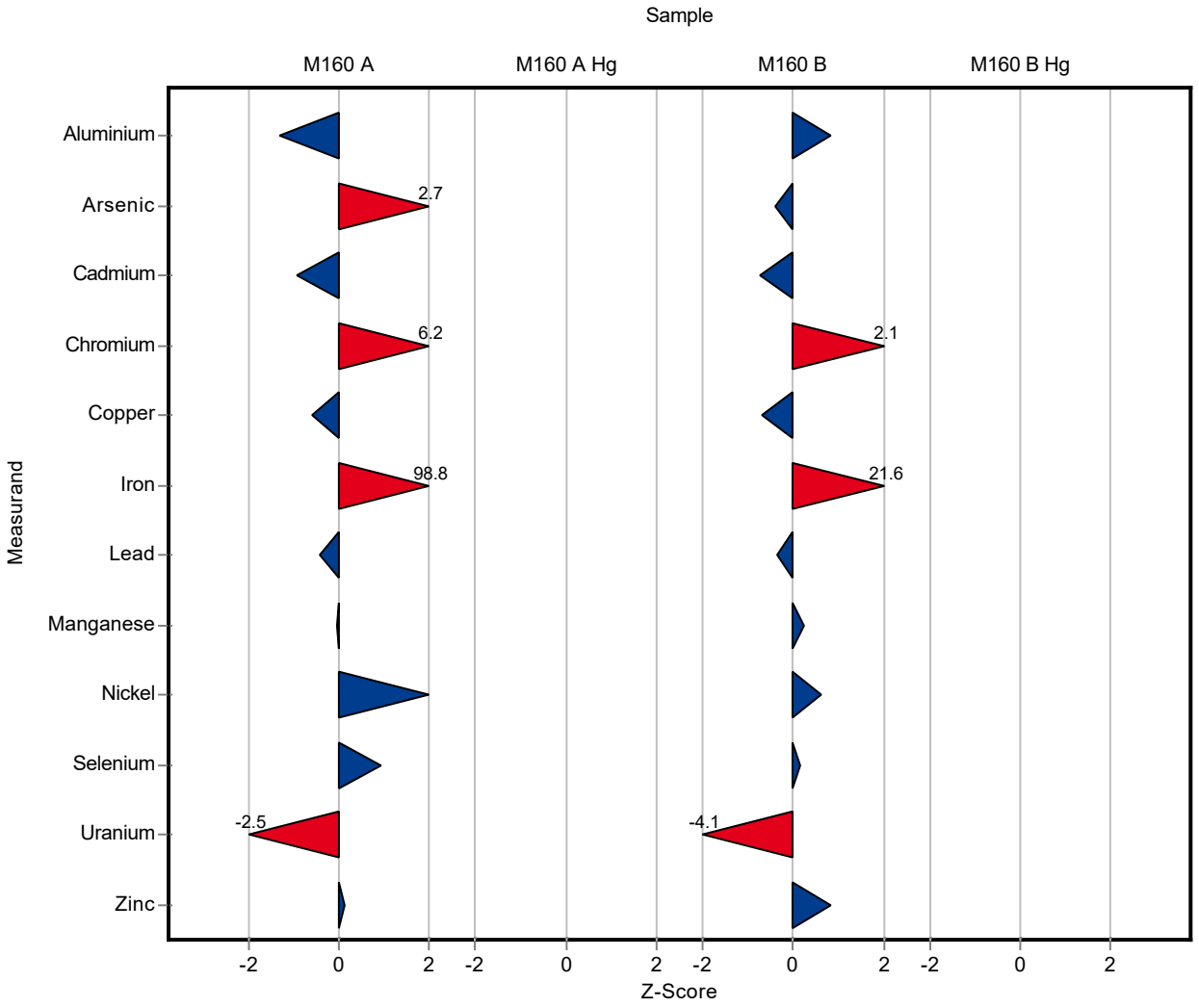
Summary of results Metals and trace elements M160

Labcode: LC0044

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Uranium	µg/l	1.72 ± 0.0429	1.252 ± 0.0997	0.113	73	-4.10
Zinc	µg/l	138 ± 1.77	147.83 ± 4.1322	12.4	107	0.82

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	z-Score
Mercury	µg/l	1.2 ± 0.0214	- ± -	0.168	-	-



Sample: M160A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	36.3 ± 1.04	29.269 ± 0.4829	5.45	80.6	-4.95
Arsenic	µg/l	2.34 ± 0.0752	3.167 ± 0.0653	0.304	135	5.50
Cadmium	µg/l	0.517 ± 0.0112	0.468 ± 0.0078	0.0517	90.5	-2.54
Chromium	µg/l	3.8 ± 0.0928	5.795 ± 0.2248	0.323	152	4.34
Copper	µg/l	9.22 ± 0.241	8.711 ± 0.1458	0.829	94.5	-1.33
Iron	µg/l	54 ± 1.38	641.08 ± 14.83	5.94	1190	19.80
Lead	µg/l	2.21 ± 0.0437	2.066 ± 0.0625	0.332	93.4	-1.10
Manganese	µg/l	30.1 ± 0.599	30.045 ± 0.1606	2.17	99.7	-0.14
Nickel	µg/l	5.18 ± 0.152	6.416 ± 0.306	0.622	124	1.95
Selenium	µg/l	2.19 ± 0.0565	2.433 ± 0.0665	0.262	111	1.71
Uranium	µg/l	3.49 ± 0.113	2.924 ± 0.0791	0.231	83.7	-2.92
Zinc	µg/l	88.5 ± 1.55	89.516 ± 1.3897	7.97	101	0.31

Sample: M160AHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	0.944 ± 0.0244	- ± -	0.132	-	-

Sample: M160B

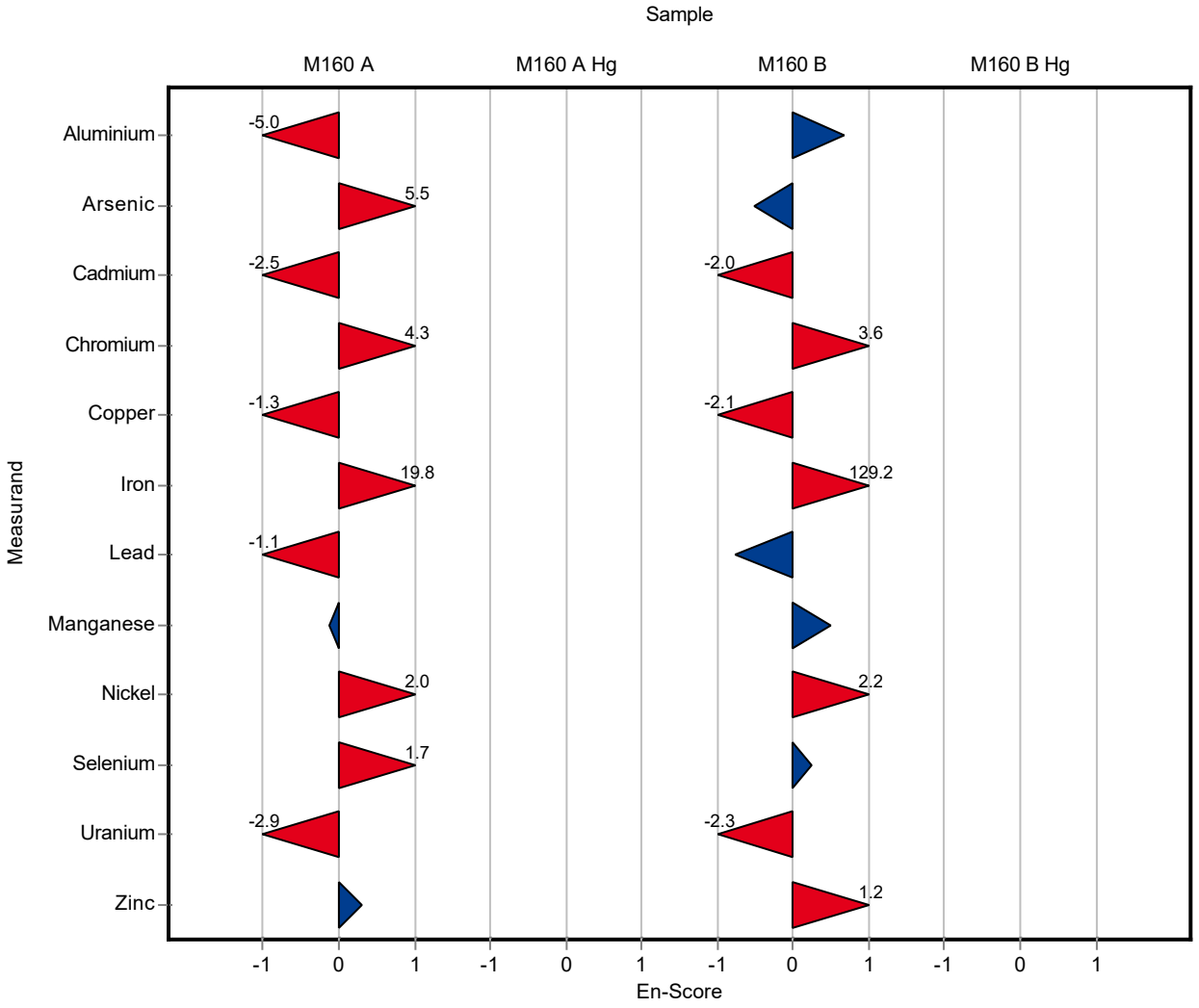
Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Aluminium	µg/l	105 ± 2.25	118.54 ± 9.9197	15.8	113	0.67
Arsenic	µg/l	5.66 ± 0.136	5.365 ± 0.275	0.736	94.8	-0.52
Cadmium	µg/l	3.67 ± 0.0564	3.405 ± 0.0601	0.367	92.7	-2.02
Chromium	µg/l	2.21 ± 0.0559	2.605 ± 0.0467	0.188	118	3.65
Copper	µg/l	60.4 ± 0.94	56.591 ± 0.7639	5.44	93.7	-2.12
Iron	µg/l	113 ± 1.78	381.37 ± 0.53154	12.4	338	129.00
Lead	µg/l	2.69 ± 0.0583	2.539 ± 0.0934	0.403	94.5	-0.76
Manganese	µg/l	20.7 ± 0.331	21.099 ± 0.3028	1.49	102	0.51
Nickel	µg/l	15.3 ± 0.317	16.423 ± 0.206	1.83	108	2.21

Summary of results Metals and trace elements M160 - En-Score Labcode: LC0044

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Selenium	µg/l	5.28 ± 0.126	5.374 ± 0.178	0.634	102	0.24
Uranium	µg/l	1.72 ± 0.0429	1.252 ± 0.0997	0.113	73	-2.28
Zinc	µg/l	138 ± 1.77	147.83 ± 4.1322	12.4	107	1.20

Sample: M160BHG

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criterion	Recovery [%]	En-Score
Mercury	µg/l	1.2 ± 0.0214	- ± -	0.168	-	-



E9. Methodenübersicht / Overview of methods

LabCode	Sample	Aluminium	Arsenic	Cadmium	Chromium	Copper	Iron	Manganese
LC0001	M160A	ICP-MS; QQQ	ICP-MS; QQQ	ICP-MS; QQQ	ICP-MS; QQQ	ICP-MS; QQQ	ICP-MS; QQQ	ICP-MS; QQQ
LC0002	M160A	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;
LC0003	M160A	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2
LC0004	M160A	ICP-OES; EN ISO 11885	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2		ICP-OES; EN ISO 11885	ICP-OES; EN ISO 11885
LC0005	M160A	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2
LC0006	M160A	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2
LC0007	M160A	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294
LC0008	M160A	ICP-MS; EN ISO 17294-2; E29	ICP-MS; EN ISO 17294-2; E29	ICP-MS; EN ISO 17294-2; E29	ICP-MS; EN ISO 17294-2; E29	ICP-MS; EN ISO 17294-2; E29	ICP-MS; EN ISO 17294-2; E29	ICP-MS; EN ISO 17294-2; E29
LC0009	M160A	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2
LC0010	M160A	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;
LC0011	M160A	ICP-OES;				ICP-OES;	ICP-OES;	ICP-OES;
LC0012	M160A	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2
LC0013	M160A	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;
LC0014	M160A			AAS;		AAS;		
LC0015	M160A	ICP-OES; EN ISO 11885	GF-AAS; EN ISO 15586	ICP-OES; EN ISO 11885	ICP-OES; EN ISO 11885	ICP-OES; EN ISO 11885	ICP-OES; EN ISO 11885	ICP-OES; EN ISO 11885
LC0016	M160A	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294
LC0017	M160A	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2
LC0018	M160A	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2
LC0019	M160A	ICP-OES; EN ISO 11885	ICP-OES; EN ISO 11885	ICP-OES; EN ISO 11885	ICP-OES; EN ISO 11885	ICP-OES; EN ISO 11885	ICP-OES; EN ISO 11885	ICP-OES; EN ISO 11885
LC0020	M160A	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2
LC0021	M160A	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;
LC0022	M160A	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2

LabCode	Sample	Aluminium	Arsenic	Cadmium	Chromium	Copper	Iron	Manganese
LC0023	M160A	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2
LC0024	M160A	ICP-MS; housemethod SOP	ICP-MS; housemethod SOP	ICP-MS; housemethod SOP	ICP-MS; housemethod SOP	ICP-MS; housemethod SOP	ICP-MS; housemethod SOP	ICP-MS; housemethod SOP
LC0025	M160A	ICP-OES; EN ISO 11885				ICP-OES; EN ISO 11885	ICP-OES; EN ISO 11885	ICP-OES; EN ISO 11885
LC0026	M160A	ICP-OES; EN ISO 11885	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	ICP-OES; EN ISO 11885	ICP-MS; EN ISO 17294	ICP-OES; EN ISO 11885	ICP-OES; EN ISO 11885
LC0027	M160A	ICP-MS; EN ISO 17294-2; E29	ICP-MS; EN ISO 17294-2; E29	ICP-MS; EN ISO 17294-2; E29	ICP-MS; EN ISO 17294-2; E29	ICP-MS; EN ISO 17294-2; E29	ICP-MS; EN ISO 17294-2; E29	ICP-MS; EN ISO 17294-2; E29
LC0028	M160A	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2
LC0029	M160A	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2
LC0030	M160A	ICP-OES; EN ISO 11885	GF-AAS; EN ISO 15586	GF-AAS; EN ISO 15586	ICP-OES; EN ISO 11885	ICP-OES; EN ISO 11885	ICP-OES; EN ISO 11885	ICP-OES; EN ISO 11885
LC0031	M160A	ICP-OES;					ICP-OES;	ICP-OES;
LC0032	M160A			Voltammetry; DIN 38406-16		Voltammetry; DIN 38406-16		
LC0033	M160A	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;
LC0034	M160A	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2
LC0035	M160A	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2
LC0036	M160A	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2
LC0037	M160A	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2
LC0038	M160A	ICP-OES;	ICP-OES;	ICP-OES;	ICP-OES;	ICP-OES;	ICP-OES;	ICP-OES;
LC0039	M160A	photometry; housemethod (automatic photometric method)	GF-AAS; DIN 38405-35	AAS; EN ISO 5961; E19	AAS; EN 1233	GF-AAS; DIN 38406-6	AAS ; DIN 38406-32	ICP-MS; EN ISO 17294-2; E29
LC0040	M160A							
LC0041	M160A	ICP-OES; EN ISO 11885	ICP-OES; EN ISO 11885	ICP-OES; EN ISO 11885	ICP-OES; EN ISO 11885	ICP-OES; EN ISO 11885	ICP-OES; EN ISO 11885	ICP-OES; EN ISO 11885
LC0042	M160A	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2
LC0043	M160A							
LC0044	M160A	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294

LabCode	Sample	Nickel	Lead	Selenium	Uranium	Zinc	Mercury (Sample M160AHG)
LC0001	M160A	ICP-MS; QQQ	ICP-MS; QQQ	ICP-MS; QQQ	ICP-MS; QQQ	ICP-MS; QQQ	ICP-MS; QQQ
LC0002	M160A	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;
LC0003	M160A	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	AFS; EN ISO 17852
LC0004	M160A	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2		ICP-OES; EN ISO 11885	
LC0005	M160A	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2
LC0006	M160A	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	CV-AAS; EN ISO 12846
LC0007	M160A	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294
LC0008	M160A	ICP-MS; EN ISO 17294-2; E29	ICP-MS; EN ISO 17294-2; E29	ICP-MS; EN ISO 17294-2; E29	ICP-MS; EN ISO 17294-2; E29	ICP-MS; EN ISO 17294-2; E29	ICP-MS; EN ISO 17294-2; E29
LC0009	M160A	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2		ICP-MS; EN ISO 17294-2	
LC0010	M160A	ICP-MS;	ICP-MS;		ICP-MS;	ICP-MS;	
LC0011	M160A					ICP-OES;	
LC0012	M160A	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2			ICP-MS; EN ISO 17294-2	
LC0013	M160A	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;
LC0014	M160A						
LC0015	M160A	ICP-OES; EN ISO 11885	GF-AAS; EN ISO 15586	GF-AAS; EN ISO 15586		ICP-OES; EN ISO 11885	CV-AAS; EN ISO 12846
LC0016	M160A	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	CV-AAS; cold vapour
LC0017	M160A	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-OES; EN ISO 11885	CV-AAS; EN ISO 12846
LC0018	M160A	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	CV-AAS; DIN EN 1483; FIMS
LC0019	M160A	ICP-OES; EN ISO 11885	ICP-OES; EN ISO 11885	ICP-OES; EN ISO 11885		ICP-OES; EN ISO 11885	CV-AAS; EN ISO 12846
LC0020	M160A	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2
LC0021	M160A	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;
LC0022	M160A	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2

LabCode	Sample	Nickel	Lead	Selenium	Uranium	Zinc	Mercury (Sample M160AHG)
LC0023	M160A	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	AFS; EN ISO 17852
LC0024	M160A	ICP-MS; housemethod SOP	ICP-MS; housemethod SOP	ICP-MS; housemethod SOP	ICP-MS; housemethod SOP	ICP-MS; housemethod SOP	ICP-MS; housemethod SOP
LC0025	M160A						
LC0026	M160A	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	ICP-OES; EN ISO 11885	CV-AAS; EN ISO 12846
LC0027	M160A	ICP-MS; EN ISO 17294-2; E29	ICP-MS; EN ISO 17294-2; E29	ICP-MS; EN ISO 17294-2; E29	ICP-MS; EN ISO 17294-2; E29	ICP-MS; EN ISO 17294-2; E29	CV-AAS; EN ISO 12846
LC0028	M160A	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	AFS; EN ISO 17852
LC0029	M160A	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	AFS; EN ISO 17852
LC0030	M160A	ICP-OES; EN ISO 11885	GF-AAS; EN ISO 15586			ICP-OES; EN ISO 11885	
LC0031	M160A					ICP-OES;	AFS; atomic fluorescence spectrometry
LC0032	M160A		Voltammetry; DIN 38406-16			Voltammetry; DIN 38406-16	
LC0033	M160A	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;
LC0034	M160A	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2
LC0035	M160A	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	
LC0036	M160A	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	CV-AAS; EN ISO 12846
LC0037	M160A	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2
LC0038	M160A	ICP-OES;	ICP-OES;	ICP-OES;		ICP-OES;	CV-AAS; Mercury analyzer
LC0039	M160A	AAS; DIN 38406-11	AAS; DIN 38406-6	DIN 38405-23; D23		ICP-MS; EN ISO 17294-2; E29	CV-AAS; EN ISO 12846; E12
LC0040	M160A						
LC0041	M160A	ICP-OES; EN ISO 11885	ICP-OES; EN ISO 11885	ICP-OES; EN ISO 11885	ICP-OES; EN ISO 11885	ICP-OES; EN ISO 11885	AFS; EN ISO 17852; E35
LC0042	M160A	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2
LC0043	M160A						
LC0044	M160A	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	

LabCode	Sample	Aluminium	Arsenic	Cadmium	Chromium	Copper	Iron	Manganese
LC0001	M160B	ICP-MS; QQQ	ICP-MS; QQQ	ICP-MS; QQQ	ICP-MS; QQQ	ICP-MS; QQQ	ICP-MS; QQQ	ICP-MS; QQQ
LC0002	M160B	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;
LC0003	M160B	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2
LC0004	M160B	ICP-OES; EN ISO 11885	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2		ICP-OES; EN ISO 11885	ICP-OES; EN ISO 11885
LC0005	M160B	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2
LC0006	M160B	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2
LC0007	M160B	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294
LC0008	M160B	ICP-MS; EN ISO 17294-2; E29	ICP-MS; EN ISO 17294-2; E29	ICP-MS; EN ISO 17294-2; E29	ICP-MS; EN ISO 17294-2; E29	ICP-MS; EN ISO 17294-2; E29	ICP-MS; EN ISO 17294-2; E29	ICP-MS; EN ISO 17294-2; E29
LC0009	M160B	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2
LC0010	M160B	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;
LC0011	M160B	ICP-OES;				ICP-OES;	ICP-OES;	ICP-OES;
LC0012	M160B	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2
LC0013	M160B	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;
LC0014	M160B			AAS;		AAS;		
LC0015	M160B	ICP-OES; EN ISO 11885	GF-AAS; EN ISO 15586	ICP-OES; EN ISO 11885	ICP-OES; EN ISO 11885	ICP-OES; EN ISO 11885	ICP-OES; EN ISO 11885	ICP-OES; EN ISO 11885
LC0016	M160B	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294
LC0017	M160B	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-OES; EN ISO 11885	ICP-MS; EN ISO 17294-2
LC0018	M160B	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2
LC0019	M160B	ICP-OES; EN ISO 11885	ICP-OES; EN ISO 11885	ICP-OES; EN ISO 11885	ICP-OES; EN ISO 11885	ICP-OES; EN ISO 11885	ICP-OES; EN ISO 11885	ICP-OES; EN ISO 11885
LC0020	M160B	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2
LC0021	M160B	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;
LC0022	M160B	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2

LabCode	Sample	Aluminium	Arsenic	Cadmium	Chromium	Copper	Iron	Manganese
LC0023	M160B	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2
LC0024	M160B	ICP-MS; housemethod SOP	ICP-MS; housemethod SOP	ICP-MS; housemethod SOP	ICP-MS; housemethod SOP	ICP-MS; housemethod SOP	ICP-MS; housemethod SOP	ICP-MS; housemethod SOP
LC0025	M160B	ICP-OES; EN ISO 11885				ICP-OES; EN ISO 11885	ICP-OES; EN ISO 11885	ICP-OES; EN ISO 11885
LC0026	M160B	ICP-OES; EN ISO 11885	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	ICP-OES; EN ISO 11885	ICP-MS; EN ISO 17294	ICP-OES; EN ISO 11885	ICP-OES; EN ISO 11885
LC0027	M160B	ICP-MS; EN ISO 17294-2; E29	ICP-MS; EN ISO 17294-2; E29	ICP-MS; EN ISO 17294-2; E29	ICP-MS; EN ISO 17294-2; E29	ICP-MS; EN ISO 17294-2; E29	ICP-MS; EN ISO 17294-2; E29	ICP-MS; EN ISO 17294-2; E29
LC0028	M160B	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2
LC0029	M160B	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2
LC0030	M160B	ICP-OES; EN ISO 11885	GF-AAS; EN ISO 15586	GF-AAS; EN ISO 15586	ICP-OES; EN ISO 11885	ICP-OES; EN ISO 11885	ICP-OES; EN ISO 11885	ICP-OES; EN ISO 11885
LC0031	M160B	ICP-OES;					ICP-OES;	ICP-OES;
LC0032	M160B			Voltammetry; DIN 38406-16		Voltammetry; DIN 38406-16		
LC0033	M160B	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;
LC0034	M160B	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2
LC0035	M160B	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2
LC0036	M160B	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2
LC0037	M160B	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2
LC0038	M160B	ICP-OES;	ICP-OES;	ICP-OES;	ICP-OES;	ICP-OES;	ICP-OES;	ICP-OES;
LC0039	M160B	photometry; housemethod (automatic photometric method)	GF-AAS; DIN 38405-35	AAS; EN ISO 5961; E19	AAS; EN 1233	GF-AAS; DIN 38406-6	AAS ; DIN 38406-32	ICP-MS; EN ISO 17294-2; E29
LC0040	M160B							
LC0041	M160B	ICP-OES; EN ISO 11885	ICP-OES; EN ISO 11885	ICP-OES; EN ISO 11885	ICP-OES; EN ISO 11885	ICP-OES; EN ISO 11885	ICP-OES; EN ISO 11885	ICP-OES; EN ISO 11885
LC0042	M160B	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2
LC0043	M160B							
LC0044	M160B	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294

LabCode	Sample	Nickel	Lead	Selenium	Uranium	Zinc	Mercury (Sample M160BHG)
LC0001	M160B	ICP-MS; QQQ	ICP-MS; QQQ	ICP-MS; QQQ	ICP-MS; QQQ	ICP-MS; QQQ	ICP-MS; QQQ
LC0002	M160B	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;
LC0003	M160B	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	AFS; EN ISO 17852
LC0004	M160B	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2		ICP-OES; EN ISO 11885	
LC0005	M160B	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2
LC0006	M160B	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	CV-AAS; EN ISO 12846
LC0007	M160B	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294
LC0008	M160B	ICP-MS; EN ISO 17294-2; E29	ICP-MS; EN ISO 17294-2; E29	ICP-MS; EN ISO 17294-2; E29	ICP-MS; EN ISO 17294-2; E29	ICP-MS; EN ISO 17294-2; E29	ICP-MS; EN ISO 17294-2; E29
LC0009	M160B	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2		ICP-MS; EN ISO 17294-2	
LC0010	M160B	ICP-MS;	ICP-MS;		ICP-MS;	ICP-MS;	
LC0011	M160B					ICP-OES;	
LC0012	M160B	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2			ICP-MS; EN ISO 17294-2	
LC0013	M160B	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;
LC0014	M160B						
LC0015	M160B	ICP-OES; EN ISO 11885	GF-AAS; EN ISO 15586	GF-AAS; EN ISO 15586		ICP-OES; EN ISO 11885	CV-AAS; EN ISO 12846
LC0016	M160B	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	CV-AAS; cold vapour
LC0017	M160B	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-OES; EN ISO 11885	CV-AAS; EN ISO 12846
LC0018	M160B	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	CV-AAS; DIN EN 1483; FIMS
LC0019	M160B	ICP-OES; EN ISO 11885	ICP-OES; EN ISO 11885	ICP-OES; EN ISO 11885		ICP-OES; EN ISO 11885	CV-AAS; EN ISO 12846
LC0020	M160B	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2
LC0021	M160B	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;
LC0022	M160B	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2

LabCode	Sample	Nickel	Lead	Selenium	Uranium	Zinc	Mercury (Sample M160BHG)
LC0023	M160B	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	AFS; EN ISO 17852
LC0024	M160B	ICP-MS; housemethod SOP	ICP-MS; housemethod SOP	ICP-MS; housemethod SOP	ICP-MS; housemethod SOP	ICP-MS; housemethod SOP	ICP-MS; housemethod SOP
LC0025	M160B						
LC0026	M160B	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	ICP-OES; EN ISO 11885	CV-AAS; EN ISO 12846
LC0027	M160B	ICP-MS; EN ISO 17294-2; E29	ICP-MS; EN ISO 17294-2; E29	ICP-MS; EN ISO 17294-2; E29	ICP-MS; EN ISO 17294-2; E29	ICP-MS; EN ISO 17294-2; E29	CV-AAS; EN ISO 12846
LC0028	M160B	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	AFS; EN ISO 17852
LC0029	M160B	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	AFS; EN ISO 17852
LC0030	M160B	ICP-OES; EN ISO 11885	GF-AAS; EN ISO 15586			ICP-OES; EN ISO 11885	
LC0031	M160B					ICP-OES;	AFS; atomic fluorescence spectrometry
LC0032	M160B		Voltammetry; DIN 38406-16			Voltammetry; DIN 38406-16	
LC0033	M160B	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;	ICP-MS;
LC0034	M160B	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2
LC0035	M160B	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	
LC0036	M160B	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2
LC0037	M160B	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2
LC0038	M160B	ICP-OES;	ICP-OES;	ICP-OES;		ICP-OES;	CV-AAS; Mercury analyzer
LC0039	M160B	AAS; DIN 38406-11	AAS; DIN 38406-6	DIN 38405-23; D23		ICP-MS; EN ISO 17294-2; E29	CV-AAS; EN ISO 12846; E12
LC0040	M160B						
LC0041	M160B	ICP-OES; EN ISO 11885	ICP-OES; EN ISO 11885	ICP-OES; EN ISO 11885	ICP-OES; EN ISO 11885	ICP-OES; EN ISO 11885	AFS; EN ISO 17852; E35
LC0042	M160B	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2	ICP-MS; EN ISO 17294-2
LC0043	M160B						
LC0044	M160B	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	ICP-MS; EN ISO 17294	