

Test Group Summary Report

C39 Inorganics by TCLP

June 2026 PT Round

Issued: August 10, 2026

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1.0 The Proficiency Testing Report

The Proficiency Testing Report consists of two parts.

- *PTC Proficiency Testing Report*: This report contains participant-specific data and other confidential information. This report is emailed to participants at the end of the PT round.
- *Test Group Summary Report*: A Test Group Summary Report is created for each quantified test group at the end of the PT round. These reports contain more detailed information on the round than is found in the participant-specific PTC Proficiency Testing Report. These reports do not contain any confidential information and are made available on the PTC web site.

2.0 Definitions

The participant-specific PTC Proficiency Testing Report contains some terms that new participants may not be familiar with.

<i>Code:</i>	The registration code that is unique to each analyte that a participant is registered for.
<i>App:</i>	If a participant is accredited by CALA, this three-digit number is the appendix number that the accredited method is assigned to.
<i>N:</i>	The number of participants results that were used to calculate the summary statistics. This excludes qualified data (e.g., <) and any results that were flagged as outliers.
<i>Assigned:</i>	The Assigned Value is the robust mean of the reported results, outliers excluded. This is often referred to as the “target” value.
<i>$\pm u$:</i>	The uncertainty of the assigned value.
<i>Reported:</i>	The result reported by the participant.
<i>s:</i>	The Standard Deviation of Proficiency Assessment (SDPA). This value is used to determine the acceptance limits for the PT evaluation.
<i>z-Score:</i>	A value assigned to each reported result that is a measure of the degree to which it deviates from the Assigned Value.
<i>Score:</i>	The composite score of the four results reported for each analyte. It is normalized to a score out of 100.
<i>Bias:</i>	A flag assigned if bias is detected using the re-scaled z-score procedure.

3.0 Scoring System

Participant performance is evaluated for each proficiency testing sample by a quantitative method that is consistent with ISO/IEC 17043 – *Conformity assessment- General requirements for the competence of proficiency testing providers*, the *International Harmonized Protocol for Proficiency Testing of (Chemical) Analytical Laboratories* (2006), and ISO 13528:2015 *Statistical methods for use in proficiency testing by interlaboratory comparisons*.

The following is a brief description of the evaluation procedure used by PTC. The detailed evaluation procedure is described in PROC09 – PT Evaluation *Procedure*, which is available on the PTC website www.PTCCanada.org).

3.1 HOMOGENEITY AND STABILITY ASSESSMENT

Homogeneity and stability are assessed using participant data. Regression analysis is performed on reported result against order of sample production (Homogeneity) and reported result against date of analysis (Stability). If the slope is significantly different than zero for either then the Standard Deviation of Proficiency Assessment (s) is increased to minimize the impact.

3.2 THE Z SCORE

A "z-score" is calculated for each reported result as follows:

$$z - Score = \frac{(x - \bar{X})}{SDPA} \quad \text{where: } \begin{array}{l} x = \text{participant result;} \\ \bar{X} = \text{the Assigned Value;} \\ SDPA = \text{the Standard Deviation for Proficiency Assessment.} \end{array}$$

The assigned value $\bar{X}$ is generally estimated from the inter-laboratory Robust mean after outliers due to obvious gross errors (e.g., reported in wrong units) have been removed.

The Standard Deviation for Proficiency Assessment, s, is determined as follows:

- The inter-laboratory Robust standard deviation ($Stdev_{rob}$) is calculated using reported results, obvious outliers removed;
- The regression equation standard deviation ($Stdev_{reg}$) is estimated from regression equations derived from previous studies (see PROC11- *PT Regression Equations* for details);
- The SDPA is the higher of $Stdev_{rob}$ and $Stdev_{reg}$;
- When a laboratory reports its detection limit, s will be estimated using a pooled variance procedure that uses both the inter-laboratory data and the reported detection limit.

3.2 COMPOSITE (PT) SCORE

Since each PT round involves four or two separate samples of distinct concentration for each test, it is necessary to calculate a composite PT score for each test to determine overall performance. The composite score is calculated by first averaging the absolute z-scores for the four results and then calculating a final score as $100 + (-15 \times \text{avg } |z|)$.

Acceptable PT Scores equal or exceed 70.

3.3 IDENTIFYING BIAS

The proficiency testing report provides flags for bias. These are determined using the re-scaled z-score procedure.

$$RSZ = \frac{\sum z}{\sqrt{N}} \quad \text{where } \begin{array}{l} z = \text{the z- score} \\ N = \text{the number of samples} \end{array}$$

Flags are assigned for each test group/parameter combination as follows:

$$RSZ \geq -2 \text{ and } \leq 2 \text{ no flag assigned}$$

RSZ > 2	H (High)
RSZ > 3	VH (Very High)
RSZ < -2	L (LOW)
RSZ < -3	VL (Very Low)

3.4 DEVIATIONS FROM EVALUATION PROCEDURE

Other than changes to the Standard Deviation of Proficiency Assessment due to homogeneity or stability flags, any deviation from the published evaluation procedure is described on the cover page(s) of the final *PTC Proficiency Testing Report*.

4.0 PT Round Specific Data Summary

The following pages provide more detailed information about the PT round indicated in the cover page of this report than is found in the participant-specific PTC Proficiency Testing Report. The graphical representations and the statistical summaries are based upon the data after outliers have been removed.

4.1 SUMMARY STATISTICS

In addition to some of the statistics found in the customer reports, this table includes additional summary statistics such as Median, different measures of dispersion, the number of outliers removed, the number of results in the Questionable range ($|z|$ between 2 and 3) and the Unacceptable range ($z > 3$), and whether a data set was flagged for Homogeneity or Stability. This section also includes sorted scatter plots of the data for each sample.

4.2 z - SCORE PLOTS

The z-scores for each sample are ranked in increasing order and plotted. When the data is normally distributed, the plot should show a slight sigmoidal curve, with an equal number of points above zero as below. Each bar in these plots is colour-coded to indicate the analytical method used by the participant.

4.3 KERNEL DENSITY PLOTS

Kernel density plots are generated for each data set. These plots are a graphical way to represent the overall data distribution and are used to visualize possible deviations from normality and unimodality.

4.4 STABILITY AND HOMOGENEITY PLOTS

Plots of reported result against analysis date, and reported result against order of bottling are displayed, along with the regression line. These regression analyses are used to determine if the SDPA should be adjusted due to homogeneity or stability.

4.5 BOX-AND-WHISKER PLOTS

Box-and-Whisker plots are another way to display the distribution of the data. The box denotes the first and third quartile and the whiskers are the 5th and 95th percentile.

4.6 HISTORIC COMPARISON PLOT

The Historic Comparison Plot is a plot of robust mean against robust standard deviation for the previous ten PT rounds as well as the current PT round. This plot can be used to identify possible changes in the sample formulation.

Arsenic

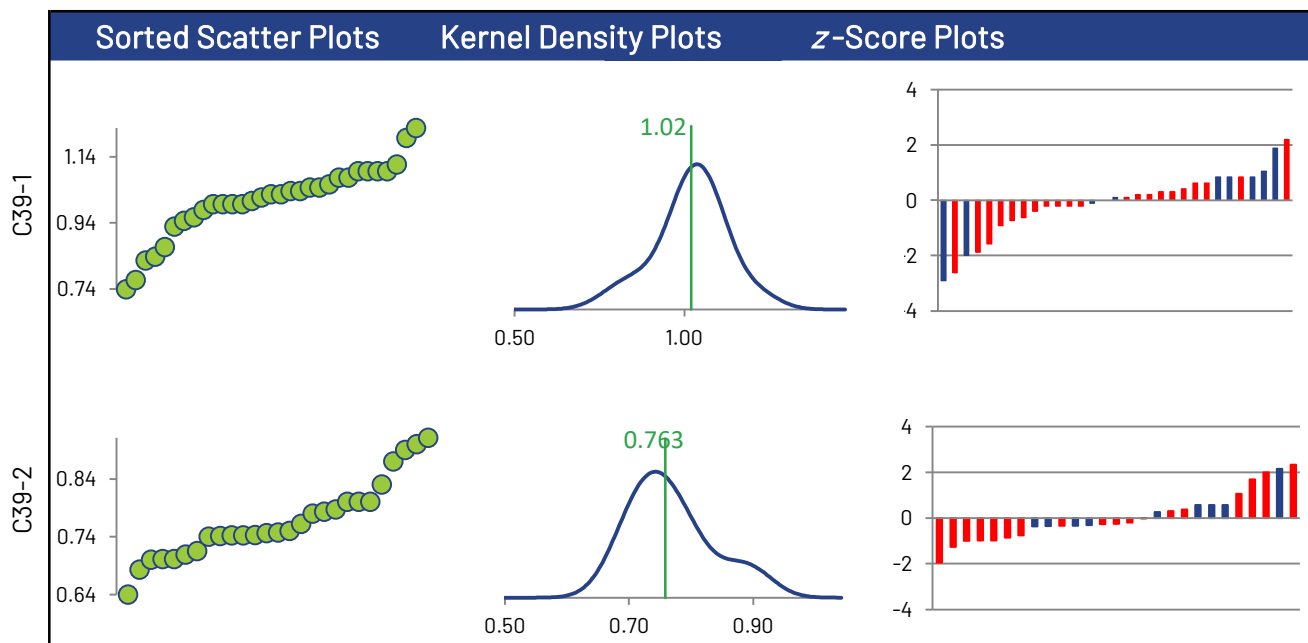
Summary Statistics

Statistic	C39-1	C39-2	C39-3	C39-4
No. of results used for summary statistics	31	27	0	0
Median mg/L	1.03	0.747		
Robust Mean mg/L	1.02	0.763		
Uncertainty of the Assigned Value mg/L	0.0214	0.0153		
Robust Standard Deviation mg/L	0.0954	0.0635		
Regression Standard Deviation mg/L				
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) mg/L	0.0954	0.0635		
Flagged Outliers	0	0	0	0
$ z > 3.0$	0	0	0	0
$2 < z < 3$	3	2	0	0
Failure Rate %*	0.0			

Methods Used

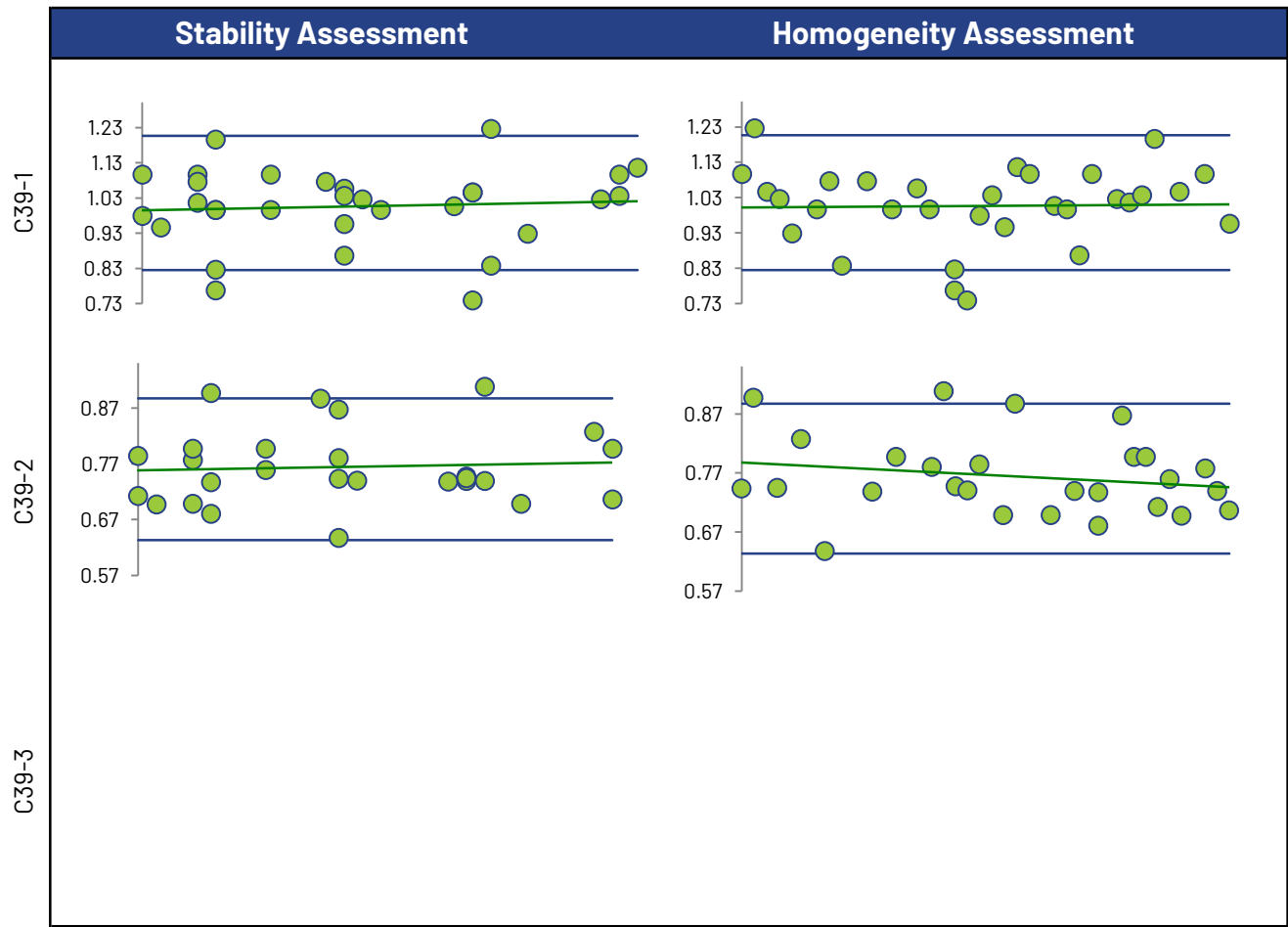
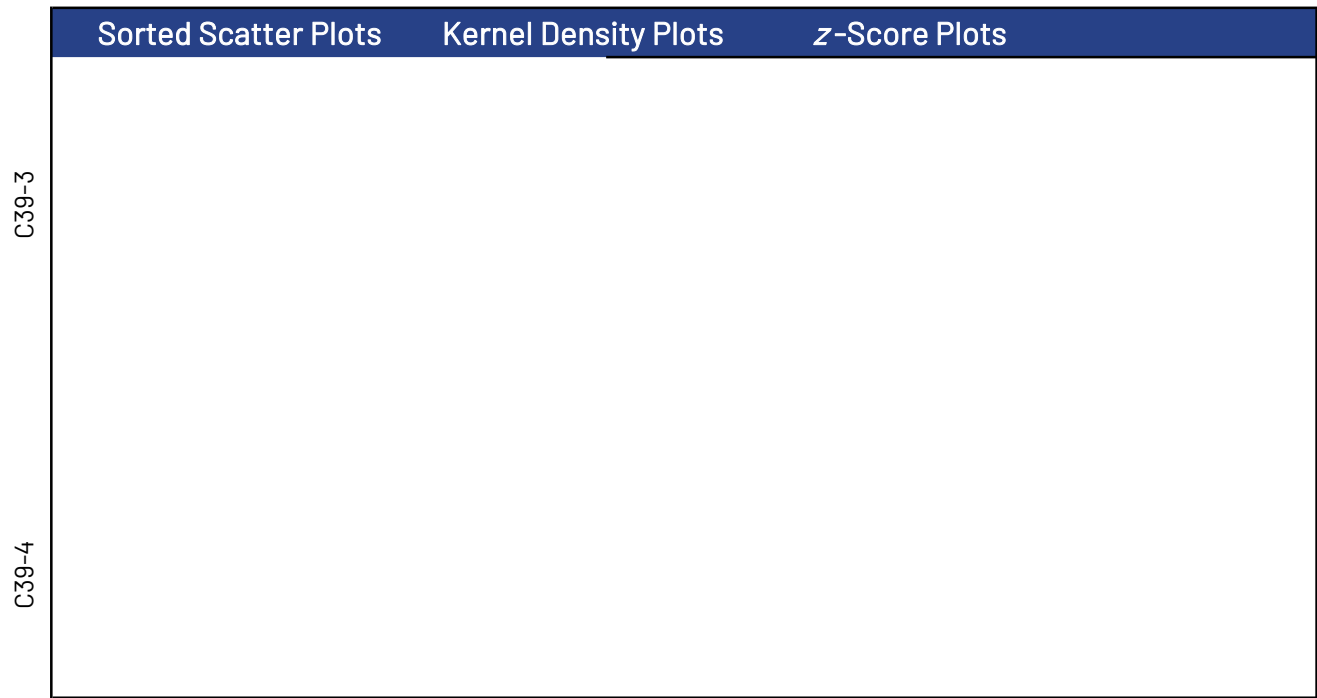
Method	C39-1	C39-2	C39-3	C39-4
ICP/OES (Blue)	10	9	0	0
ICP/MS (Red)	21	18	0	0

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers



* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

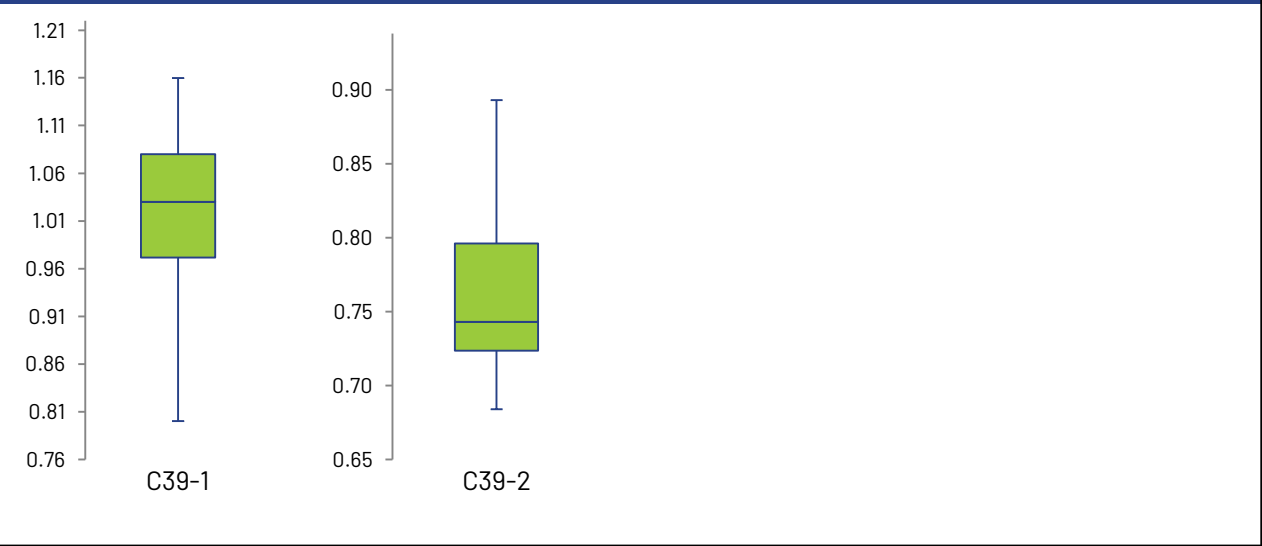
Arsenic



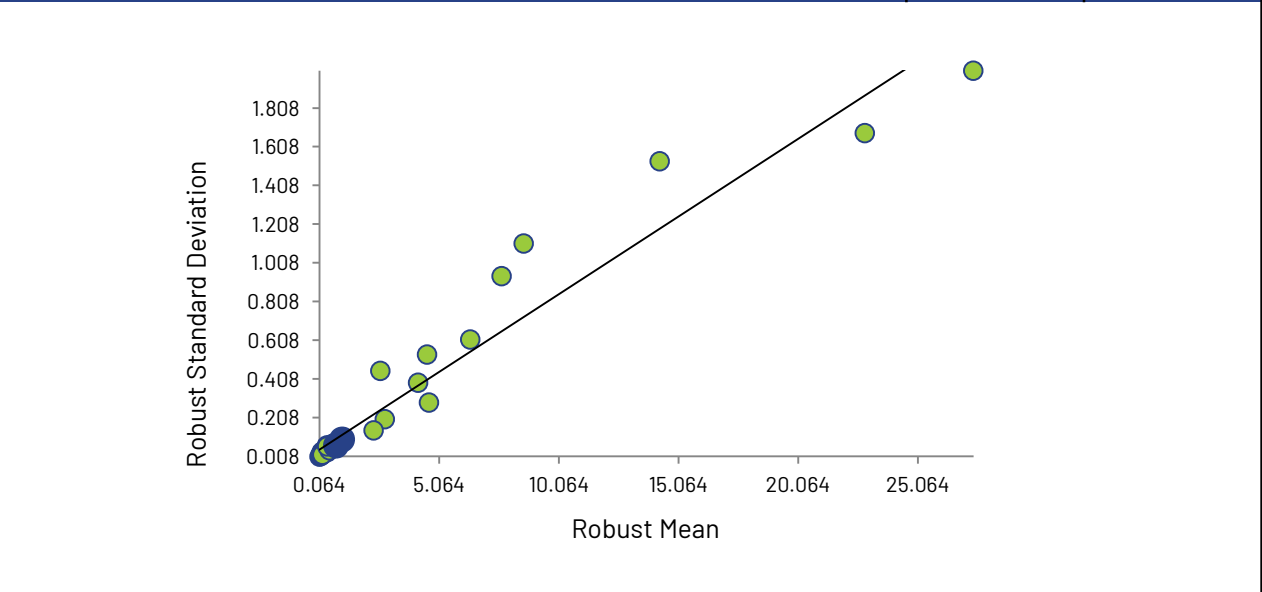
Arsenic

C39-4	Stability Assessment	Homogeneity Assessment
	Stability assessments are regression analysis of reported result against date of analysis. Homogeneity assessments are regression analysis of reported result against bottling order.	

Box and Whisker Plots



Current Round (blue) Compared to Historic Rounds (green)



Barium

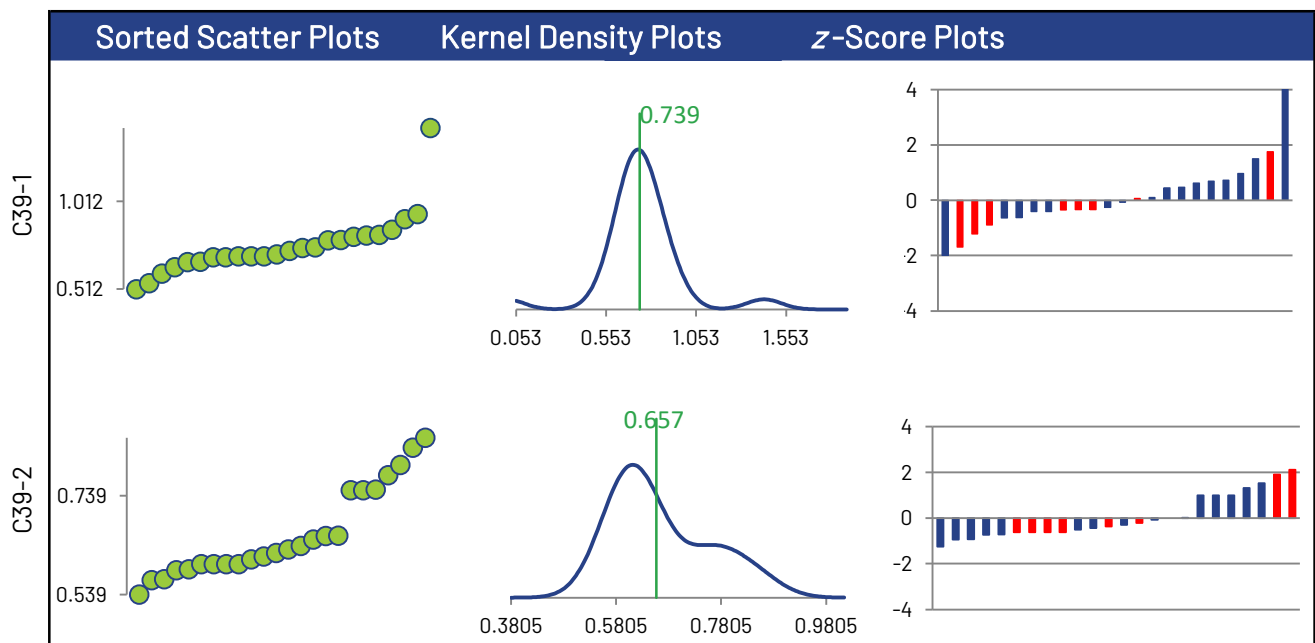
Summary Statistics

Statistic	C39-1	C39-2	C39-3	C39-4
No. of results used for summary statistics	24	24	0	0
Median mg/L	0.721	0.627		
Robust Mean mg/L	0.739	0.657		
Uncertainty of the Assigned Value mg/L	0.0291	0.0240		
Robust Standard Deviation mg/L	0.114	0.0942		
Regression Standard Deviation mg/L				
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) mg/L	0.114	0.0942		
Flagged Outliers	0	0	0	0
$ z > 3.0$	1	0	0	0
$2 < z < 3$	0	1	0	0
Failure Rate %*	0.0			

Methods Used

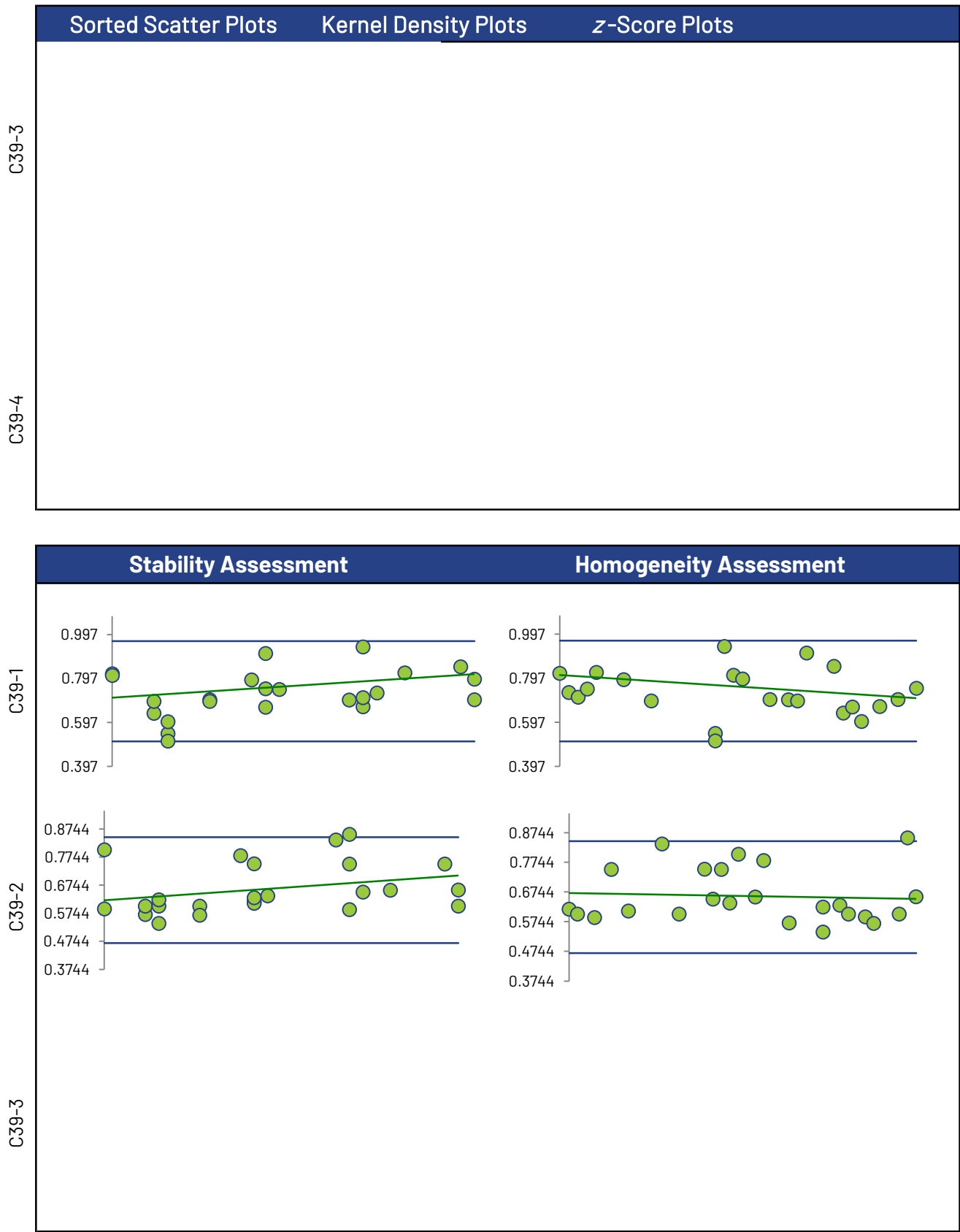
Method	C39-1	C39-2	C39-3	C39-4
ICP/MS (Blue)	16	16	0	0
ICP/OES (Red)	8	8	0	0

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers



* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

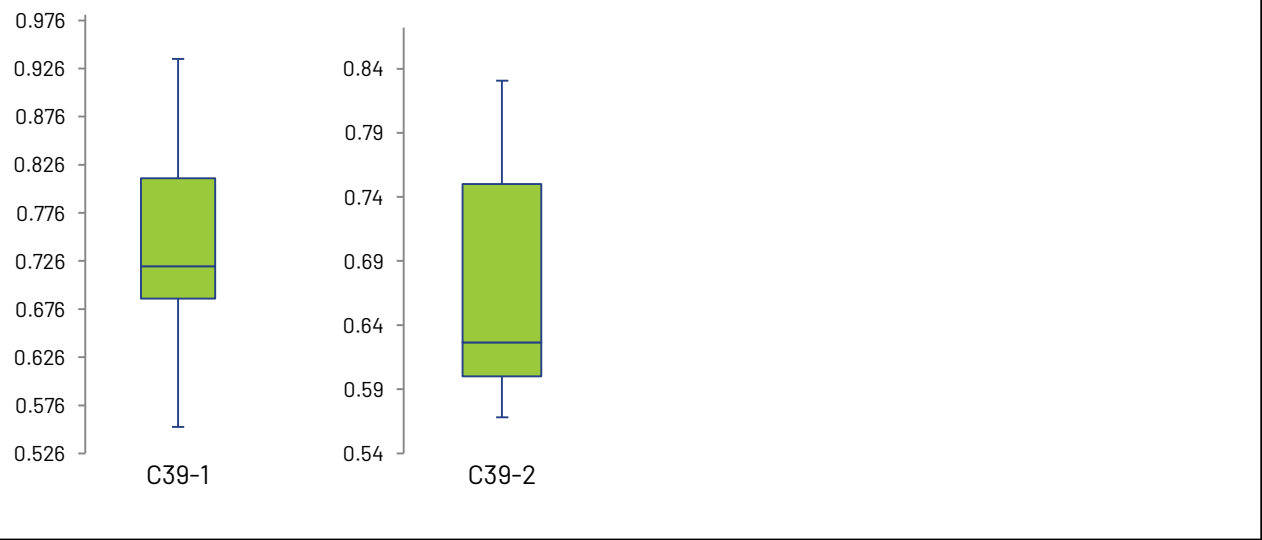
Barium



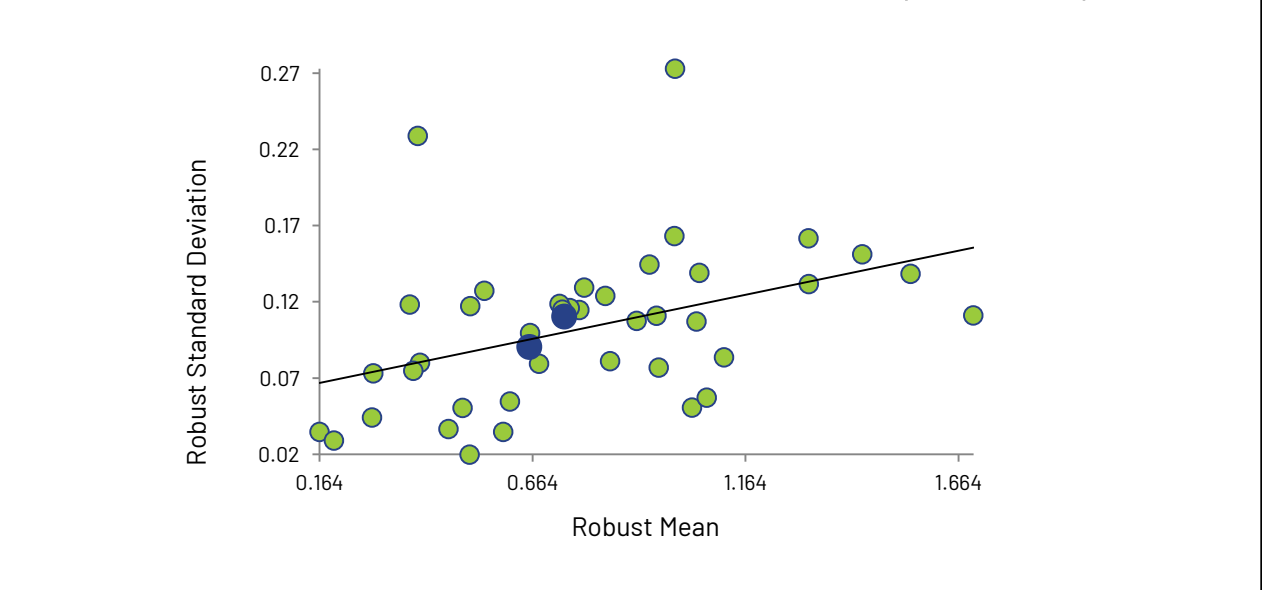
Barium

C39-4	Stability Assessment	Homogeneity Assessment
	Stability assessments are regression analysis of reported result against date of analysis. Homogeneity assessments are regression analysis of reported result against bottling order.	

Box and Whisker Plots



Current Round (blue) Compared to Historic Rounds (green)



Boron

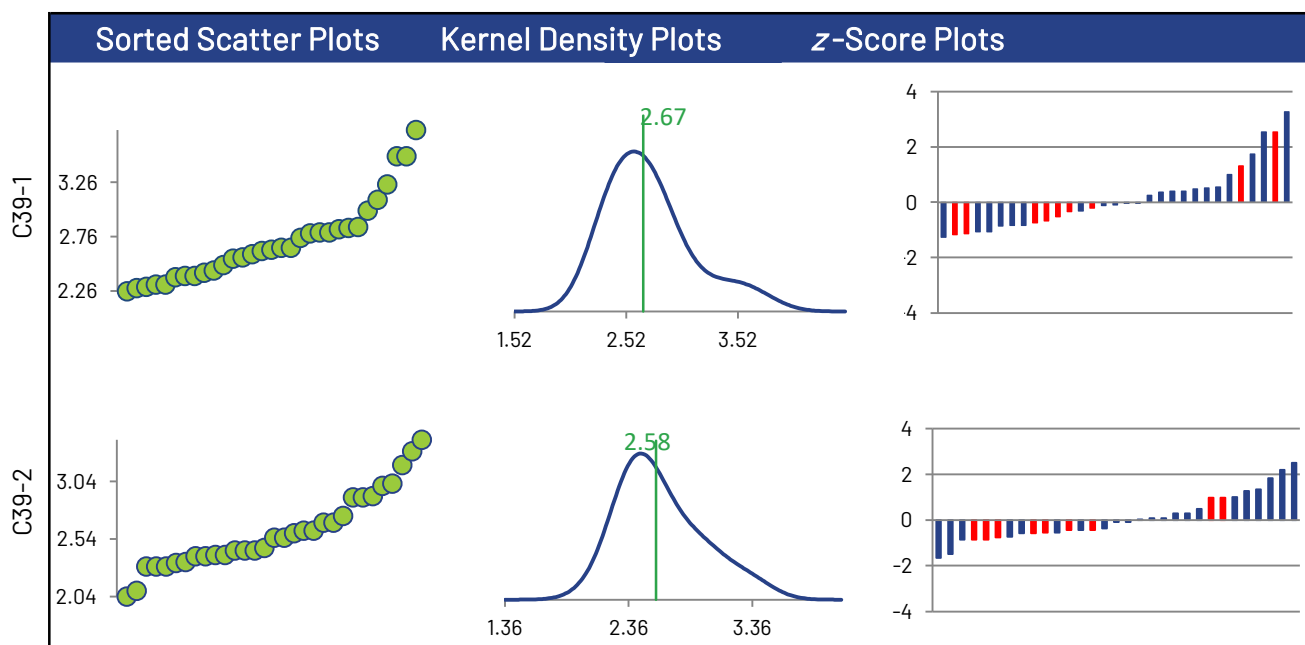
Summary Statistics

Statistic	C39-1	C39-2	C39-3	C39-4
No. of results used for summary statistics	31	31	0	0
Median mg/L	2.64	2.55		
Robust Mean mg/L	2.67	2.58		
Uncertainty of the Assigned Value mg/L	0.0732	0.0736		
Robust Standard Deviation mg/L	0.326	0.328		
Regression Standard Deviation mg/L				
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) mg/L	0.326	0.328		
Flagged Outliers	0	0	0	0
$ z > 3.0$	1	0	0	0
$2 < z < 3$	2	2	0	0
Failure Rate %*	0.0			

Methods Used

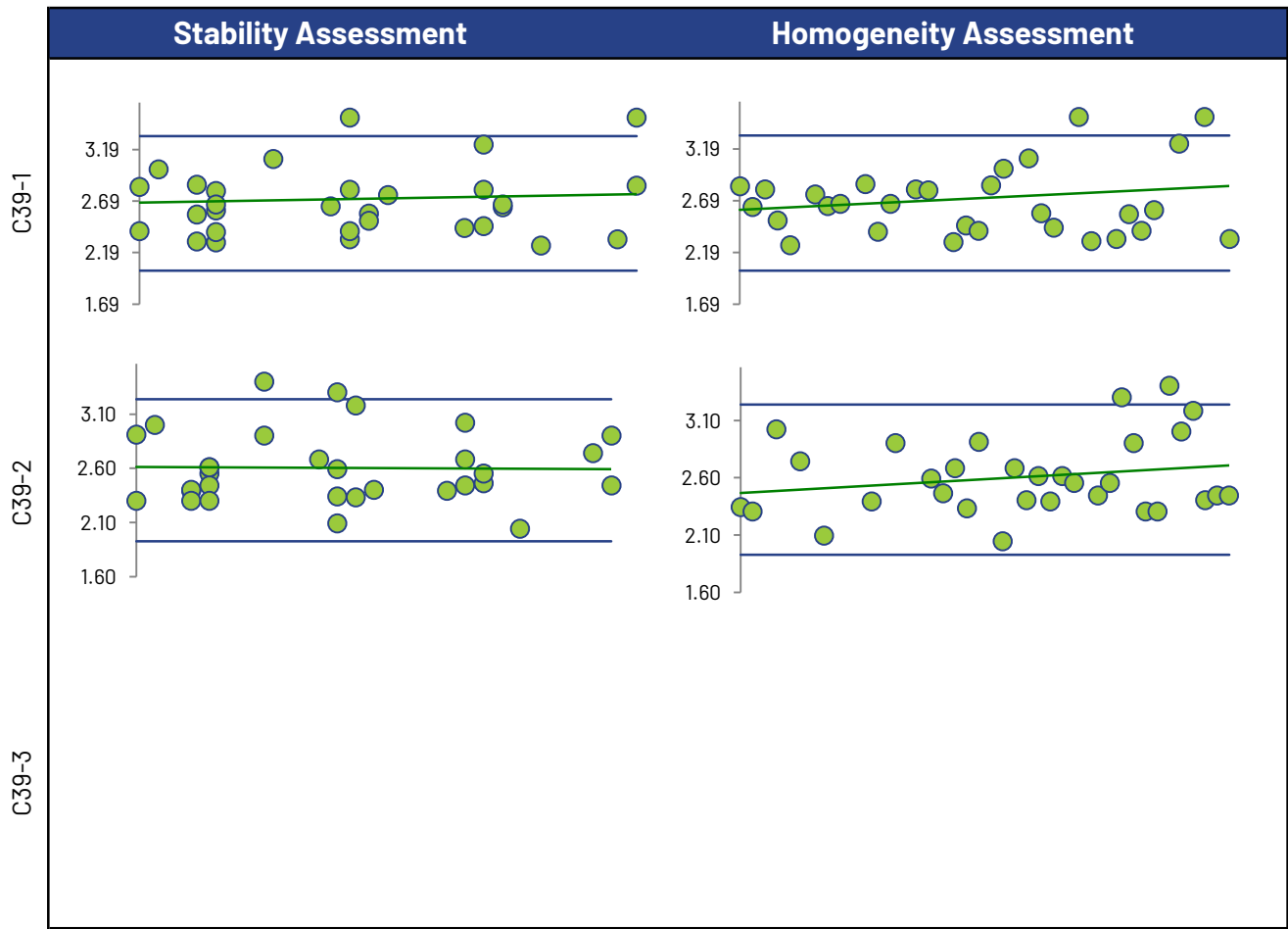
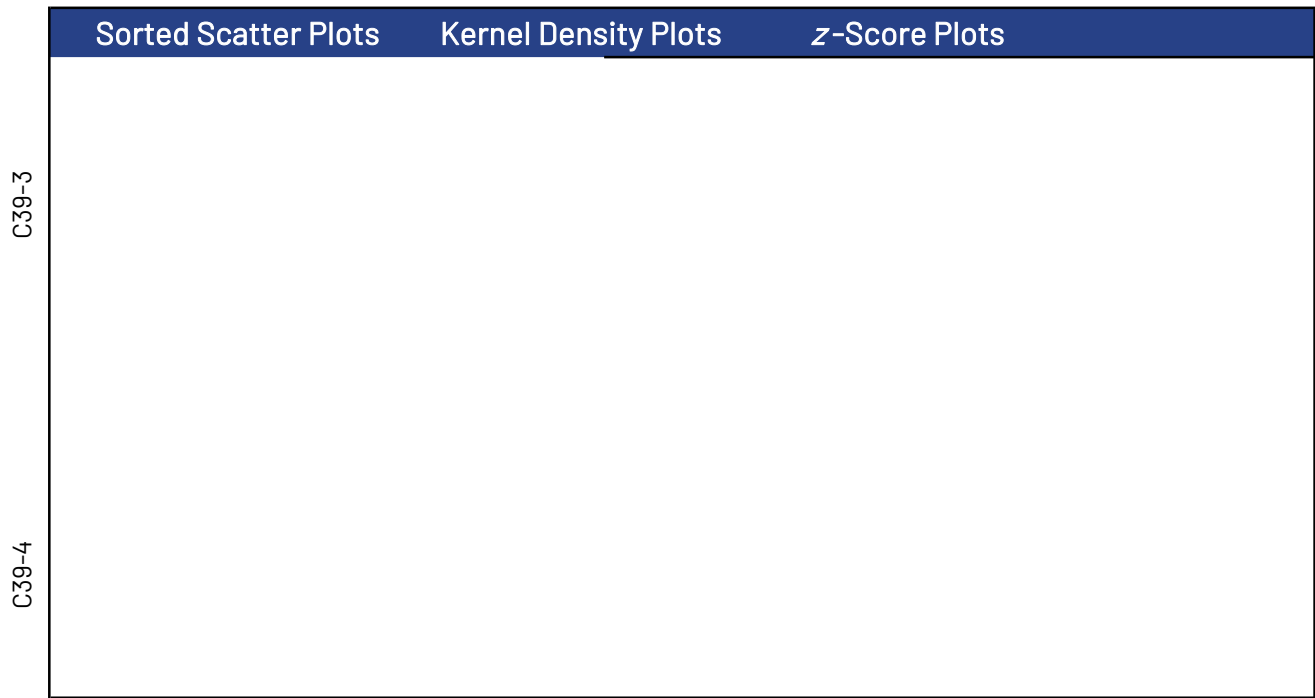
Method	C39-1	C39-2	C39-3	C39-4
ICP/MS (Blue)	22	22	0	0
ICP/OES (Red)	9	9	0	0

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers



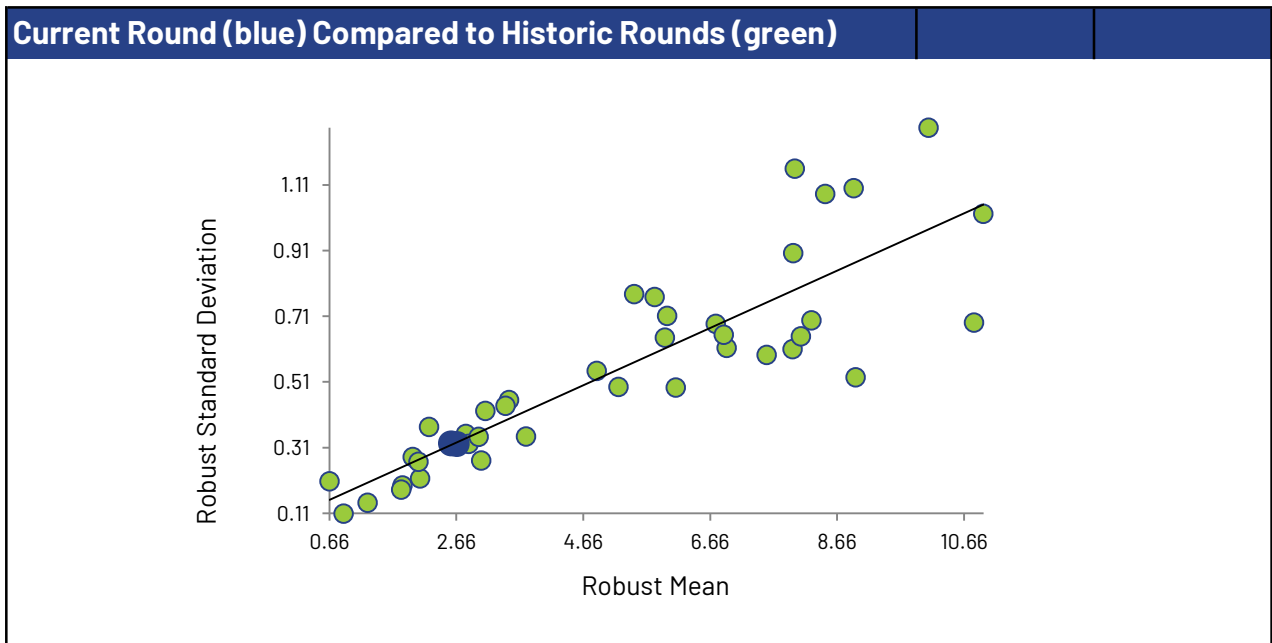
* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

Boron



C39-4

The figure displays two side-by-side box plots. The left plot, labeled 'C39-1', has a y-axis ranging from 2.18 to 3.58 with major ticks every 0.20 units. The box is green with a black outline, showing a median around 2.60, a first quartile around 2.35, and a third quartile around 2.80. Whiskers extend from approximately 2.25 to 3.45. The right plot, labeled 'C39-2', has a y-axis ranging from 2.09 to 3.29 with major ticks every 0.20 units. The box is also green with a black outline, showing a median around 2.45, a first quartile around 2.35, and a third quartile around 2.75. Whiskers extend from approximately 2.15 to 3.15.



Cadmium

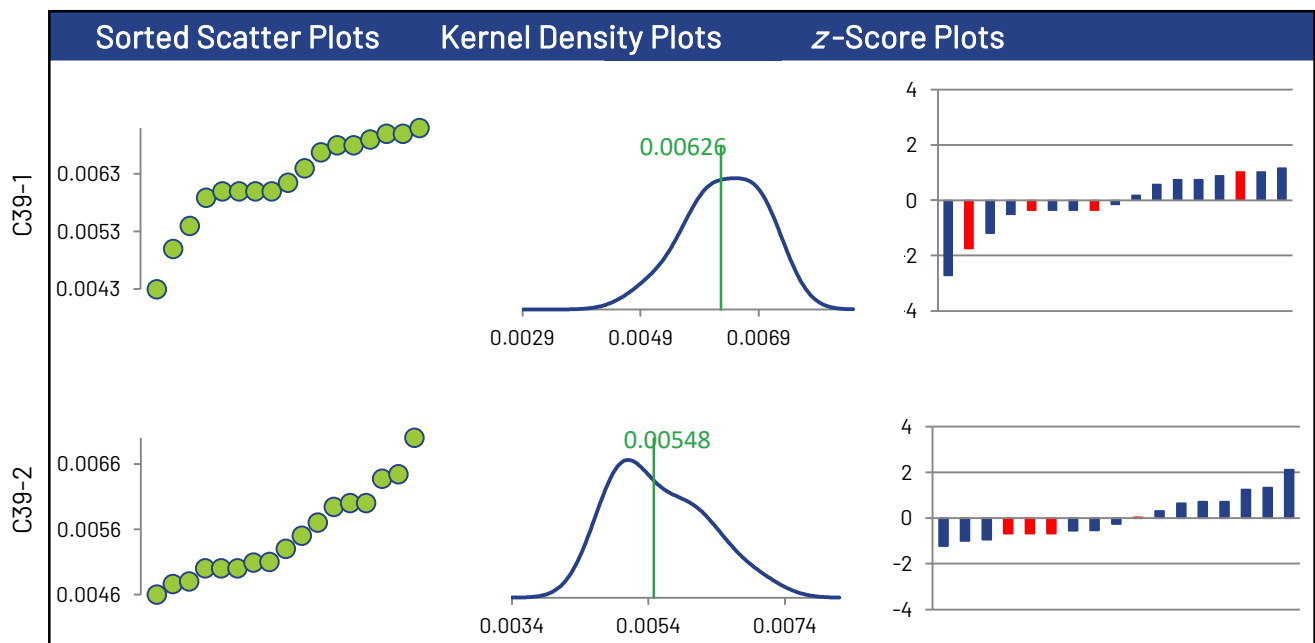
Summary Statistics

Statistic	C39-1	C39-2	C39-3	C39-4
No. of results used for summary statistics	17	17	0	0
Median mg/L	0.00615	0.00530		
Robust Mean mg/L	0.00626	0.00548		
Uncertainty of the Assigned Value mg/L	0.000219	0.000218		
Robust Standard Deviation mg/L	0.000721	0.000720		
Regression Standard Deviation mg/L				
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) mg/L	0.000721	0.000720		
Flagged Outliers	1	1	0	0
$ z > 3.0$	0	0	0	0
$2 < z < 3$	1	1	0	0
Failure Rate %*	2.9			

Methods Used

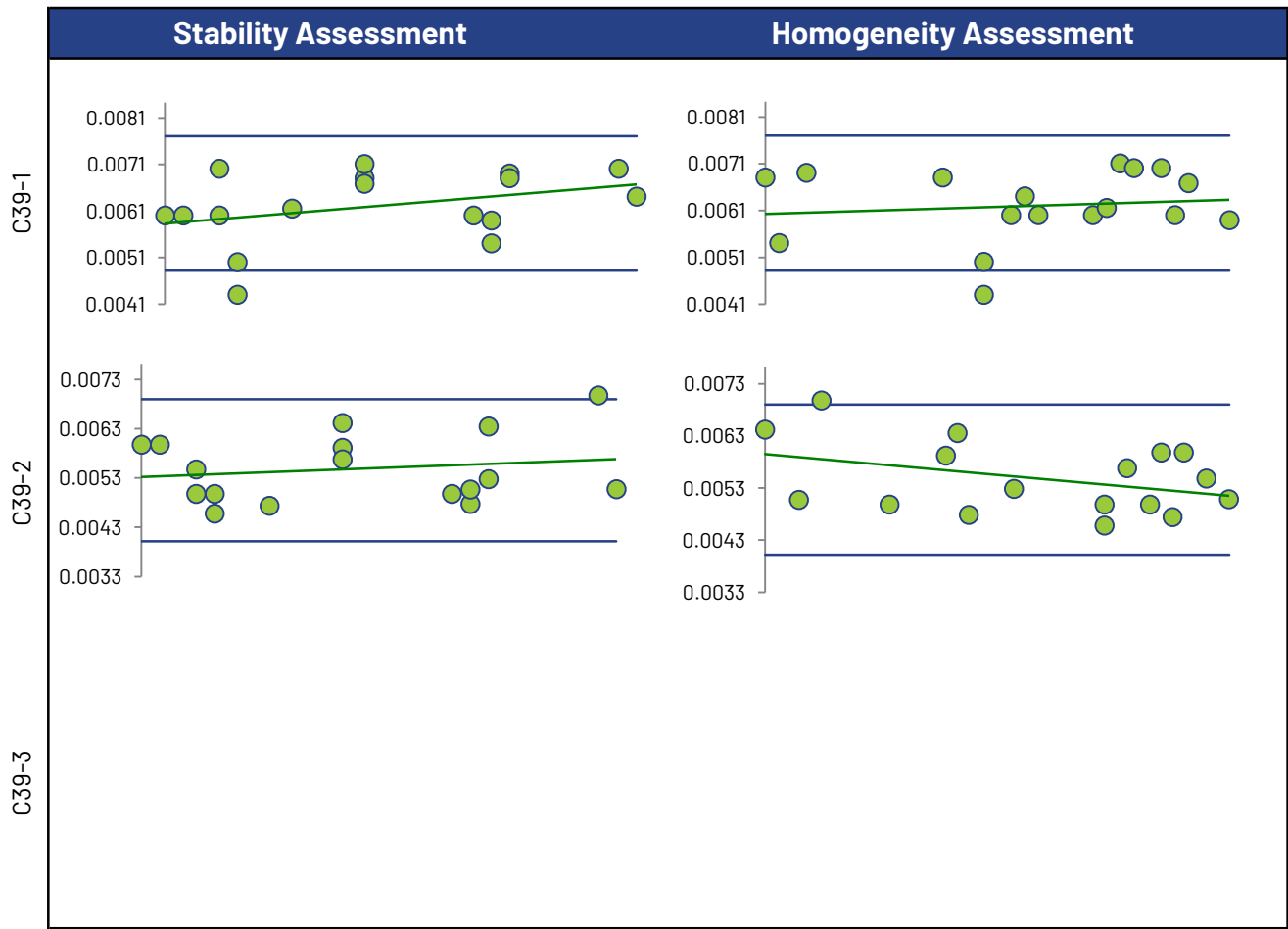
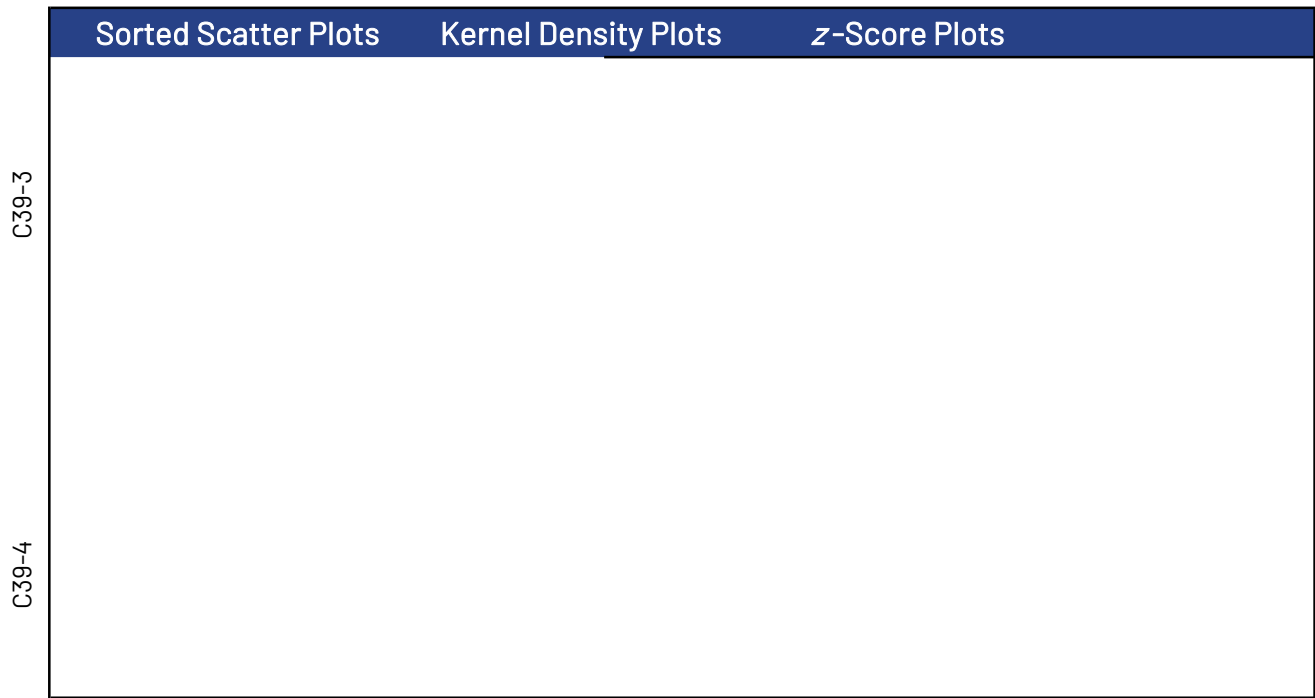
Method	C39-1	C39-2	C39-3	C39-4
ICP/MS (Blue)	13	13	0	0
ICP/OES (Red)	4	4	0	0

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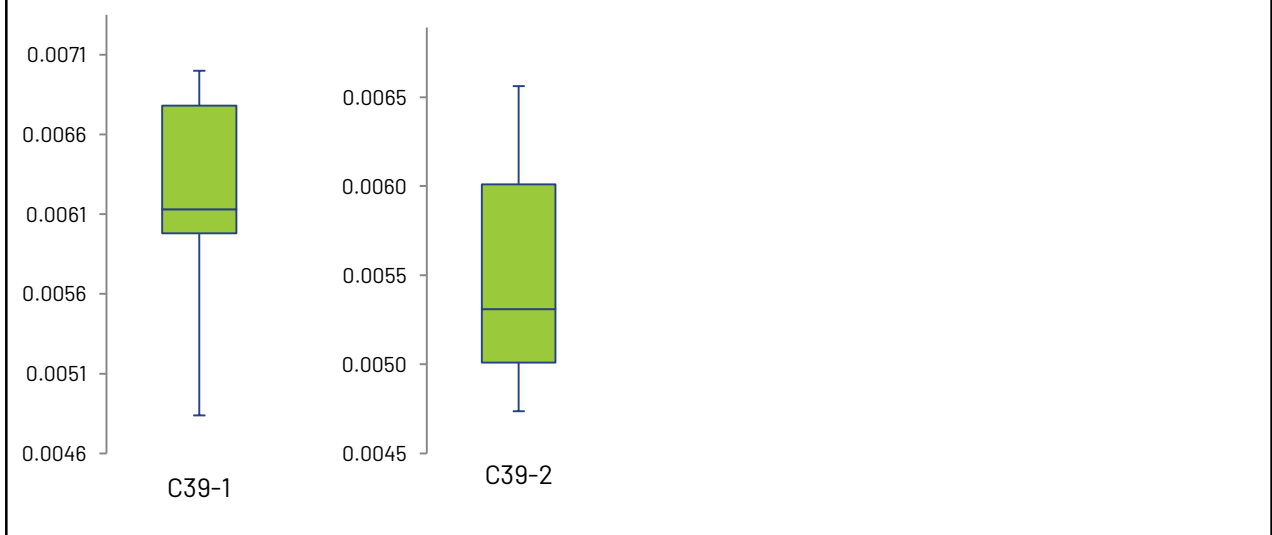
Cadmium



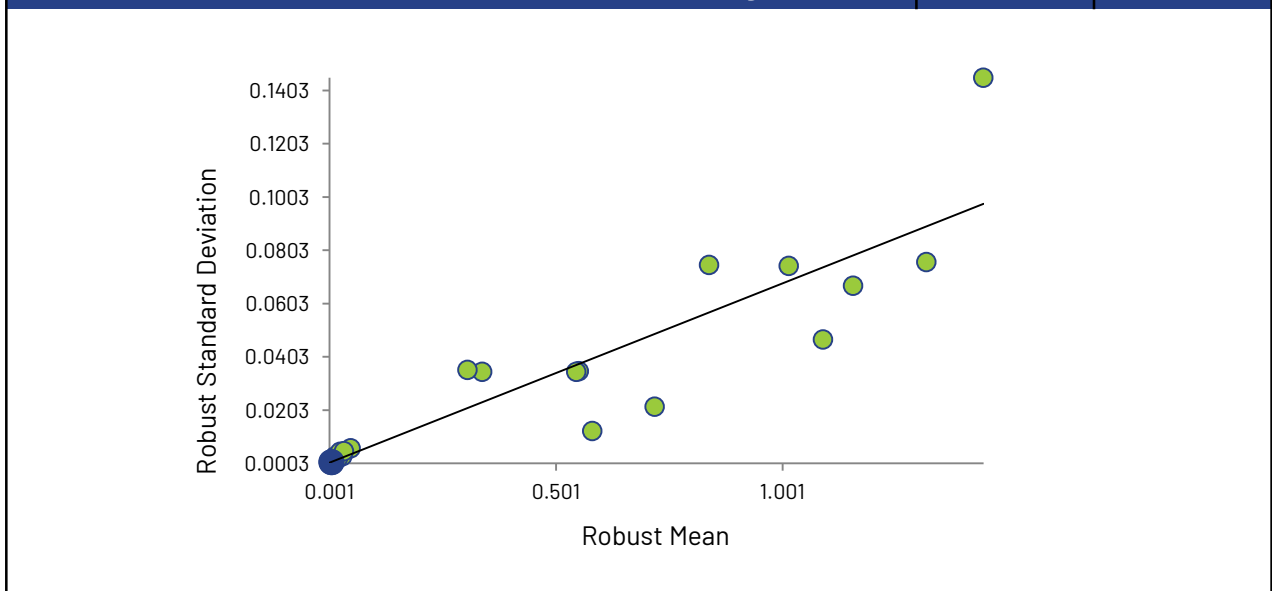
Cadmium

Stability Assessment	Homogeneity Assessment
Stability assessments are regression analysis of reported result against date of analysis.	Homogeneity assessments are regression analysis of reported result against bottling order.

Box and Whisker Plots



Current Round (blue) Compared to Historic Rounds (green)



Chromium

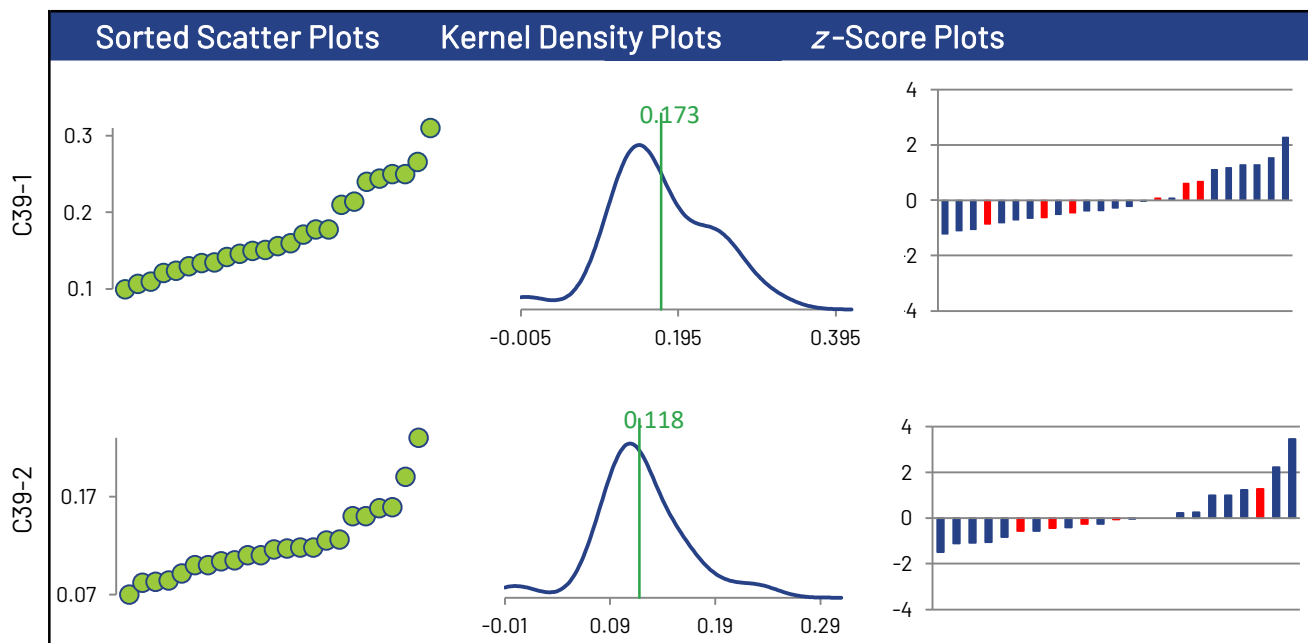
Summary Statistics

Statistic	C39-1	C39-2	C39-3	C39-4
No. of results used for summary statistics	25	23	0	0
Median mg/L	0.156	0.116		
Robust Mean mg/L	0.173	0.118		
Uncertainty of the Assigned Value mg/L	0.0151	0.00844		
Robust Standard Deviation mg/L	0.0602	0.0324		
Regression Standard Deviation mg/L				
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) mg/L	0.0602	0.0324		
Flagged Outliers	0	0	0	0
$ z > 3.0$	0	1	0	0
$2 < z < 3$	1	1	0	0
Failure Rate %*	0.0			

Methods Used

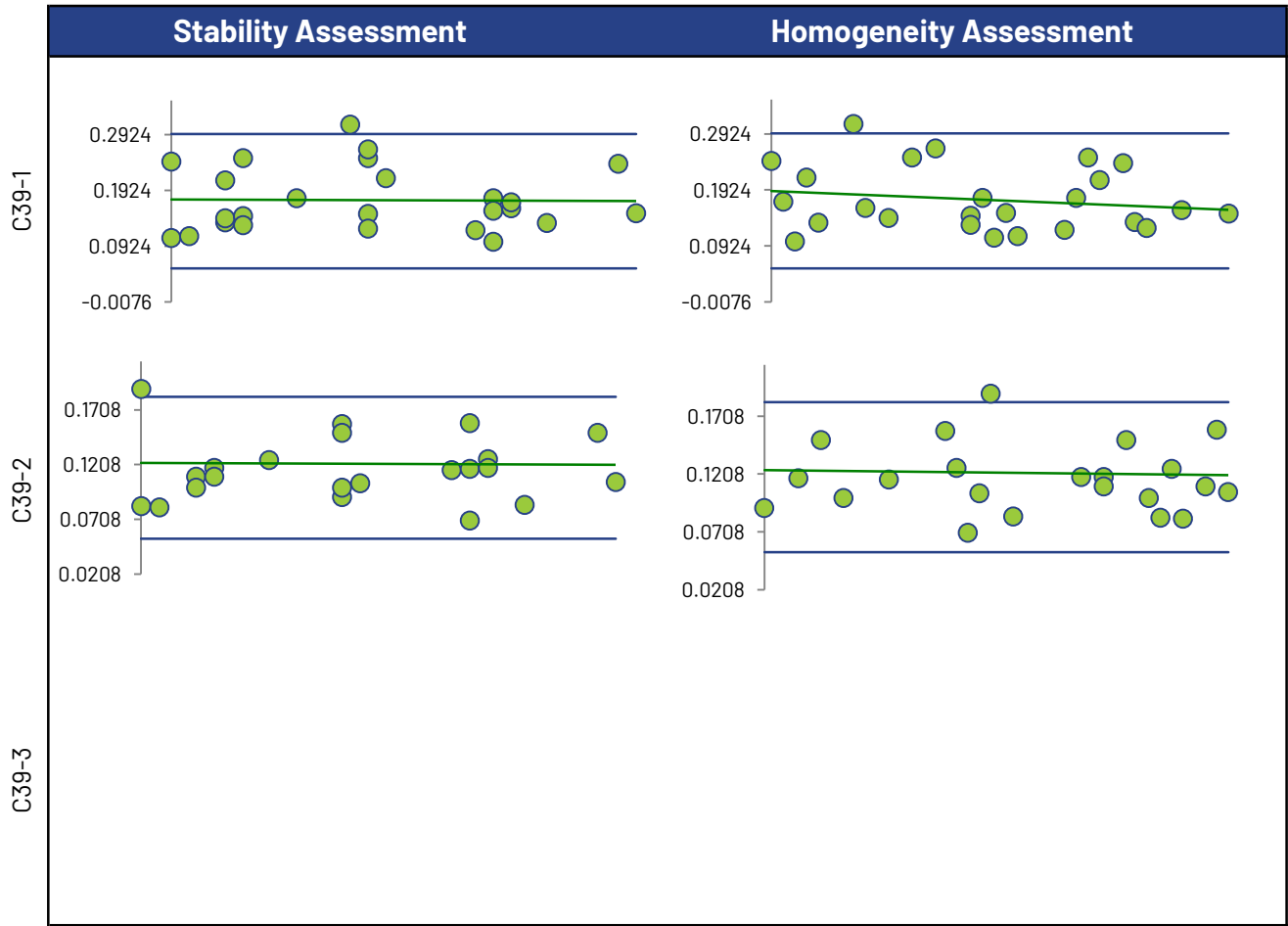
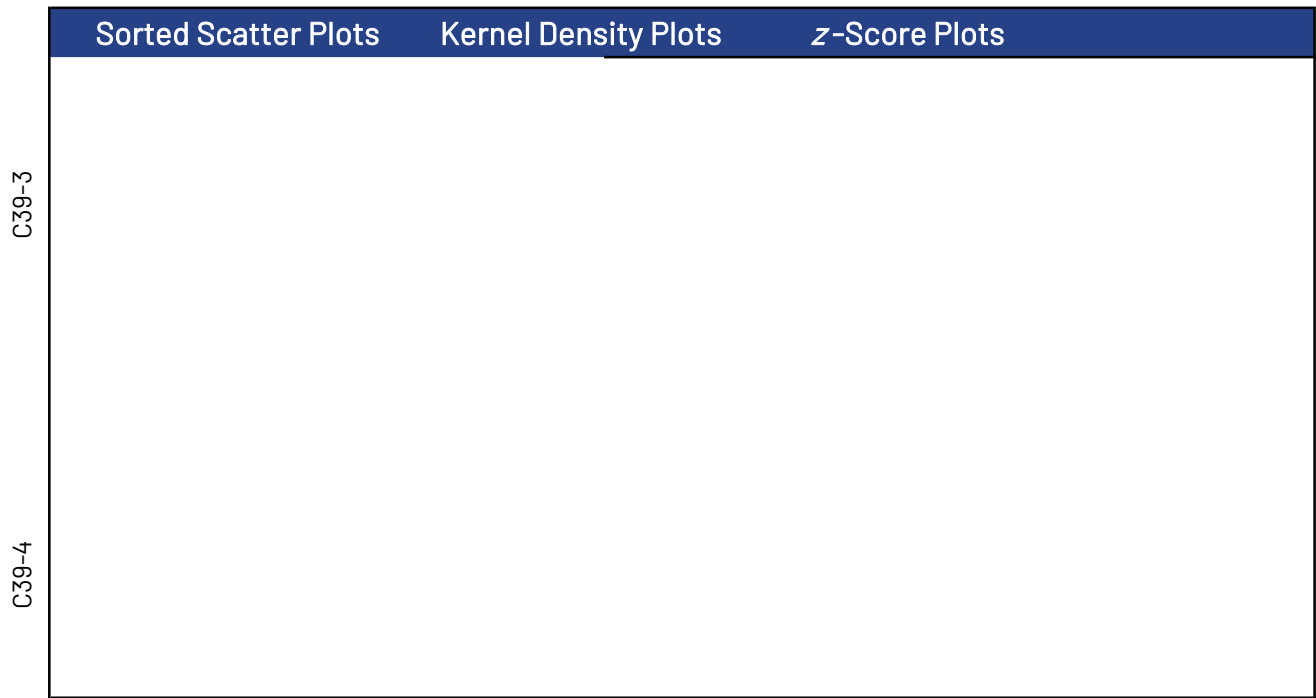
Method	C39-1	C39-2	C39-3	C39-4
ICP/MS (Blue)	19	17	0	0
ICP/OES (Red)	6	6	0	0

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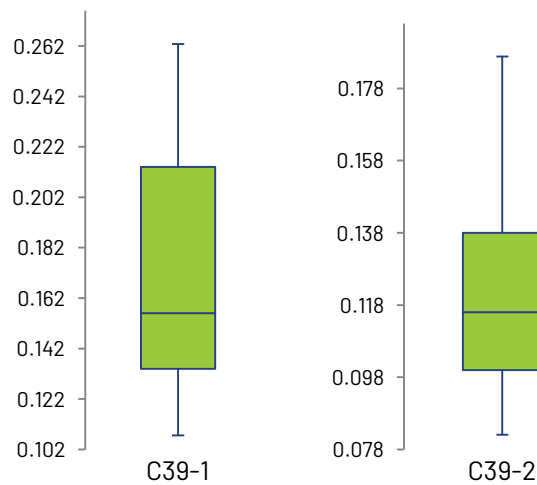
Chromium



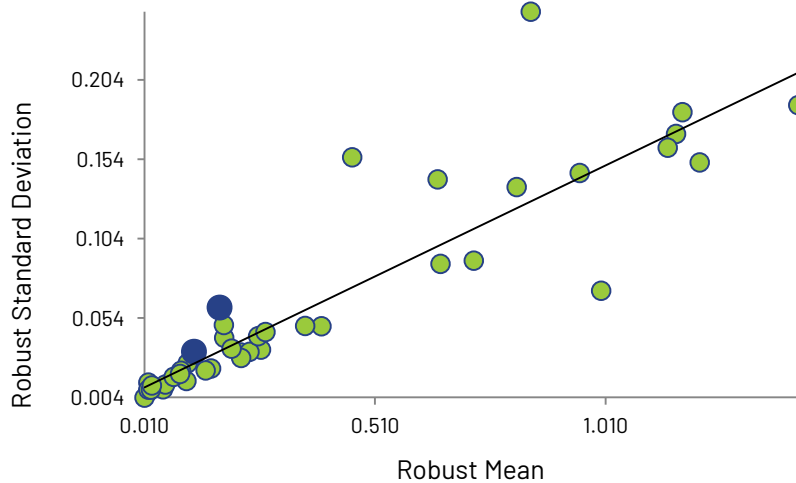
Chromium

C39-4	Stability Assessment	Homogeneity Assessment
	Stability assessments are regression analysis of reported result against date of analysis. Homogeneity assessments are regression analysis of reported result against bottling order.	

Box and Whisker Plots



Current Round (blue) Compared to Historic Rounds (green)



Cyanide (WAD)

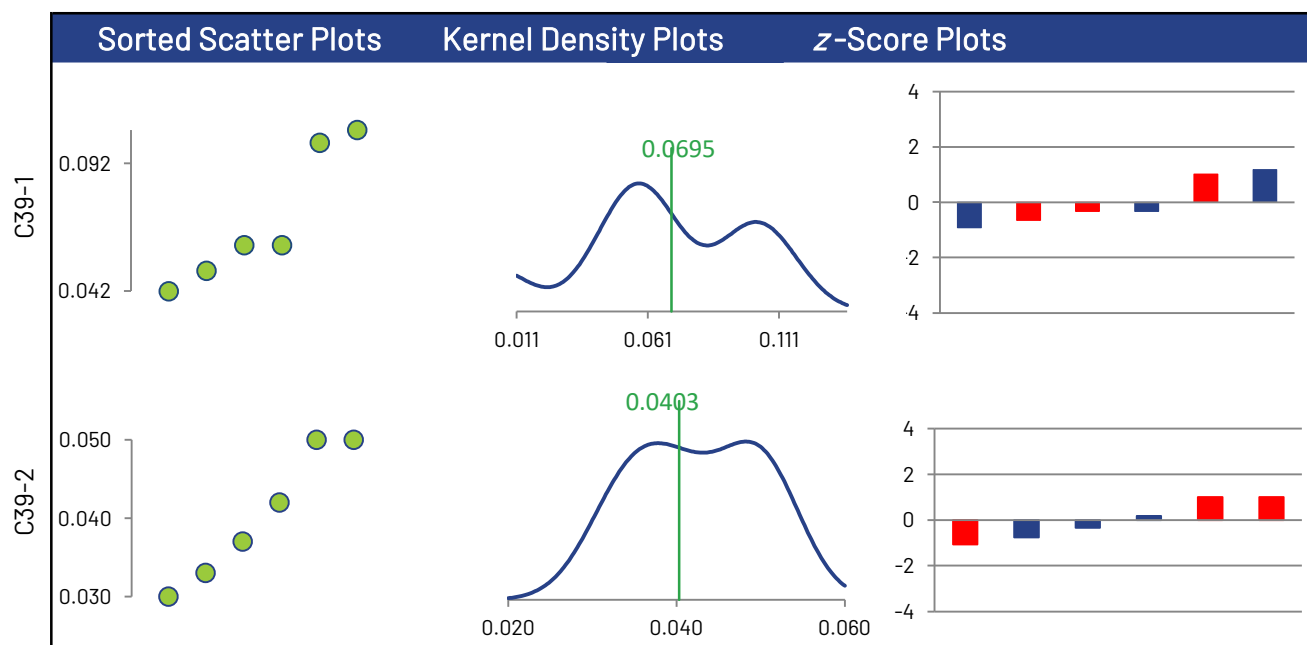
Summary Statistics

Statistic	C39-1	C39-2	C39-3	C39-4
No. of results used for summary statistics	6	6	0	0
Median mg/L	0.0600	0.0395		
Robust Mean mg/L	0.0695	0.0403		
Uncertainty of the Assigned Value mg/L	0.0153	0.00492		
Robust Standard Deviation mg/L	0.0300	0.00964		
Regression Standard Deviation mg/L				
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) mg/L	0.0300	0.00964		
Flagged Outliers	2	2	0	0
$ z > 3.0$	0	0	0	0
$2 < z < 3$	0	0	0	0
Failure Rate %*	0.0			

Methods Used

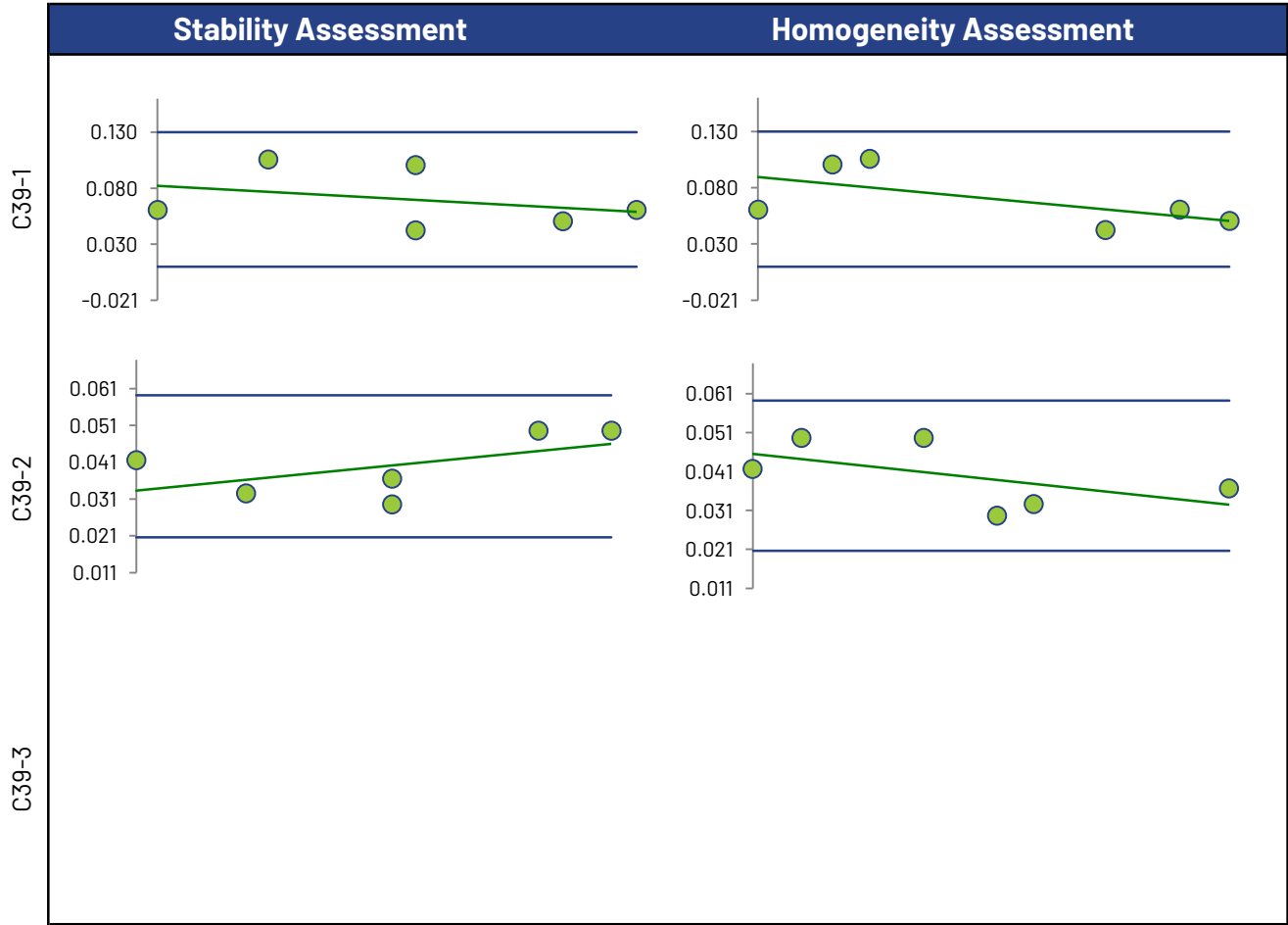
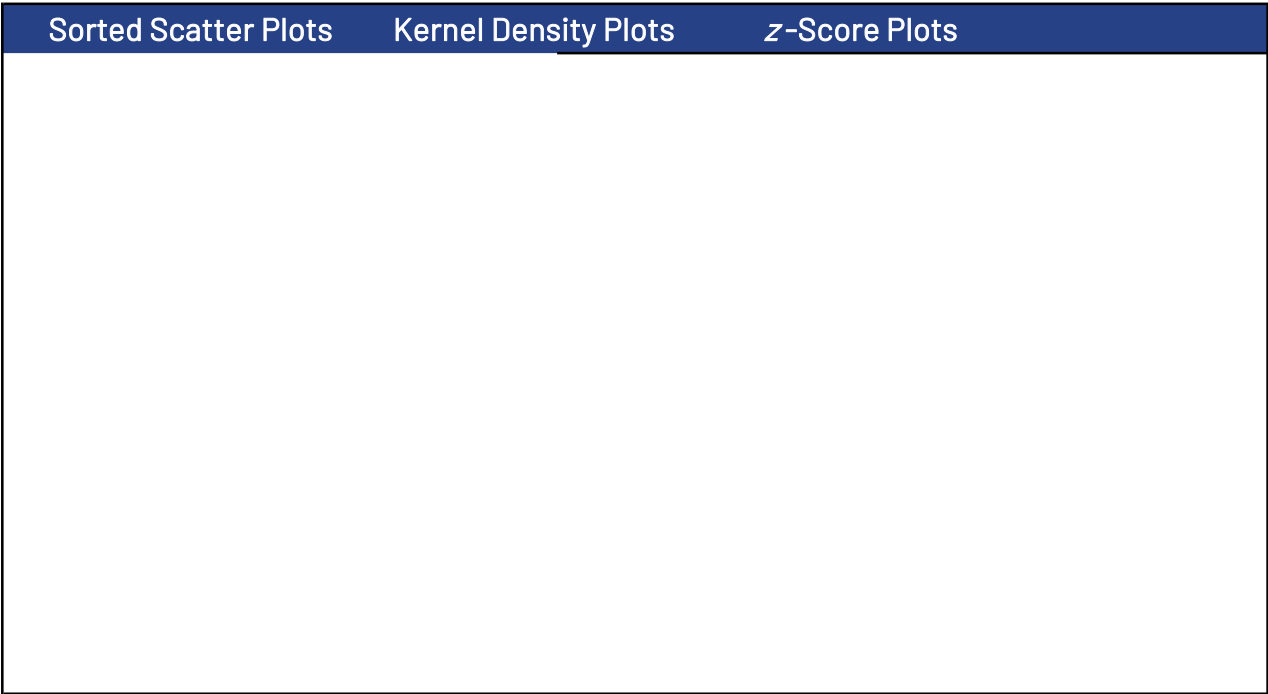
Method	C39-1	C39-2	C39-3	C39-4
COLORIMETRIC (Blue)	3	3	0	0
AUTO COLOR (Red)	3	3	0	0

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers

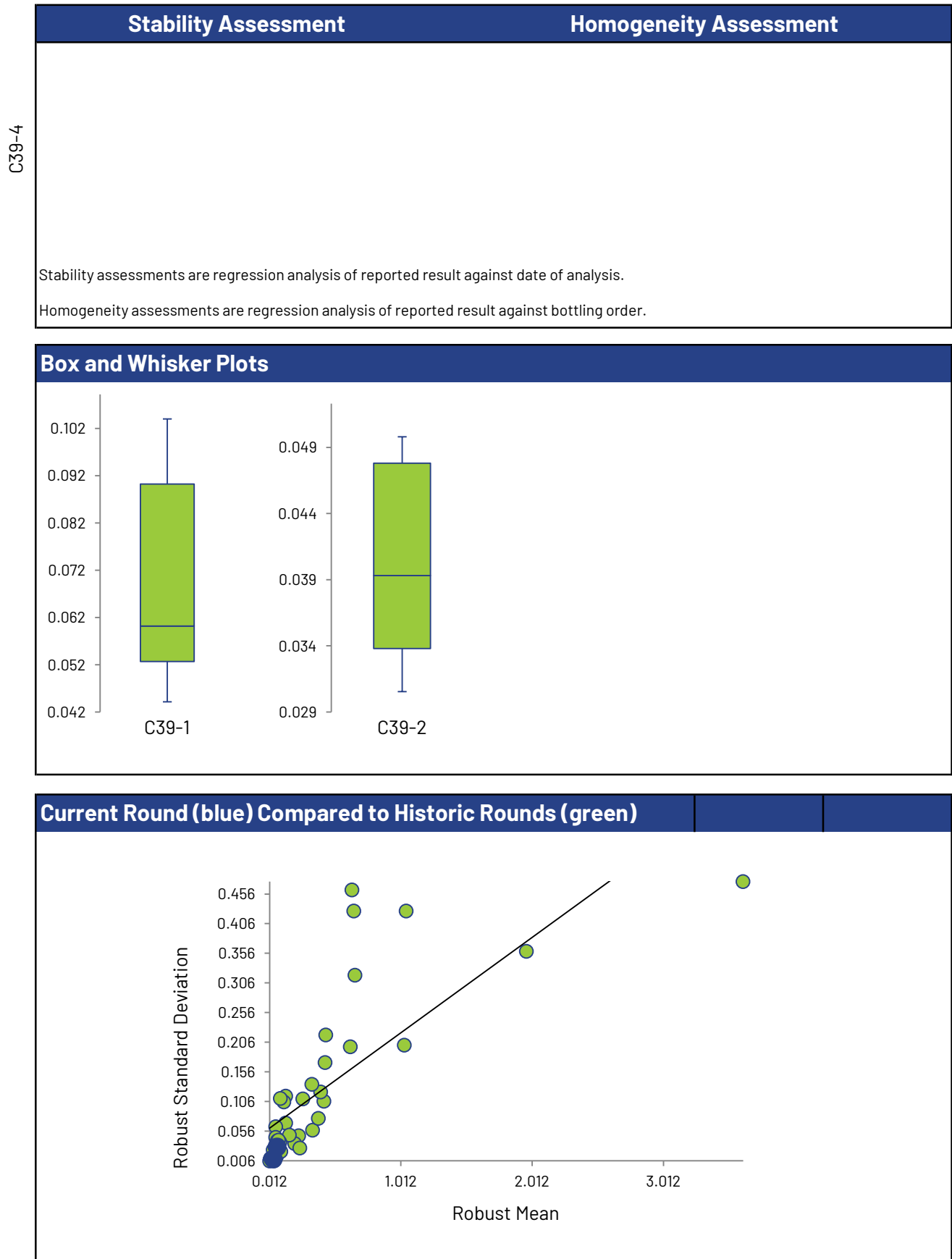


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Cyanide (WAD)



Cyanide (WAD)



Fluoride

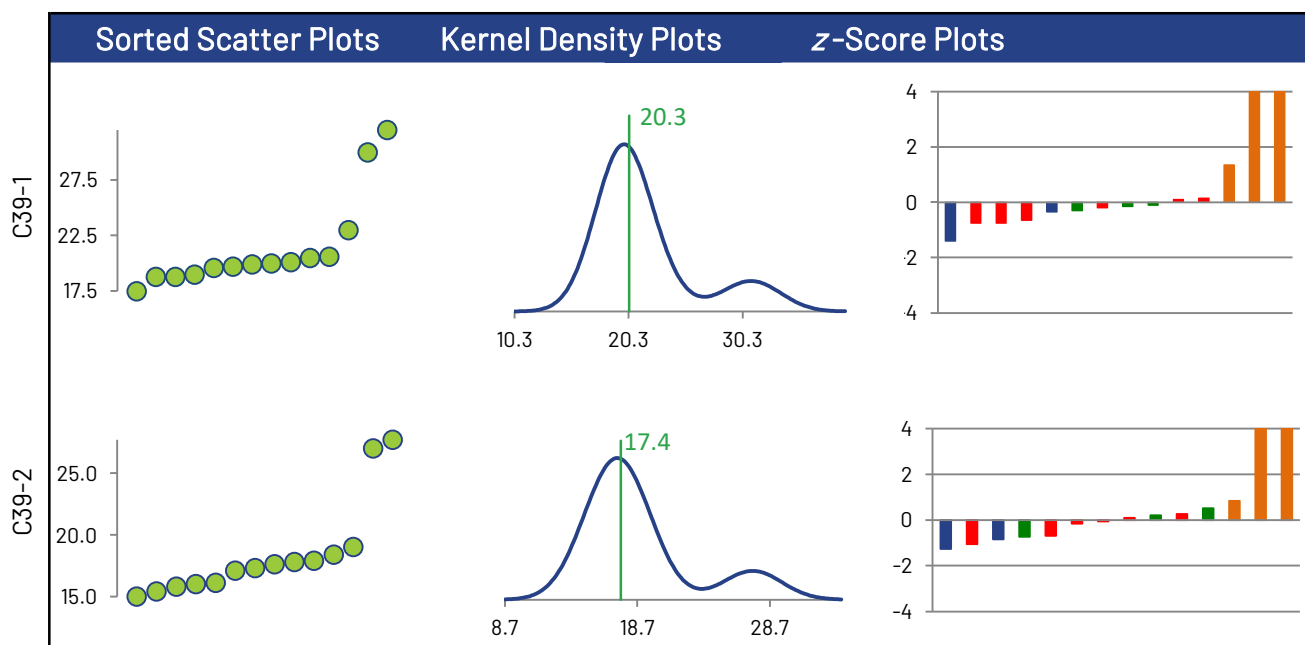
Summary Statistics

Statistic	C39-1	C39-2	C39-3	C39-4
No. of results used for summary statistics	14	14	0	0
Median mg/L	20.0	17.5		
Robust Mean mg/L	20.3	17.4		
Uncertainty of the Assigned Value mg/L	0.668	0.638		
Robust Standard Deviation mg/L	2.00	1.91		
Regression Standard Deviation mg/L				
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) mg/L	2.00	1.91		
Flagged Outliers	0	0	0	0
$ z > 3.0$	2	2	0	0
$2 < z < 3$	0	0	0	0
Failure Rate %*	7.1			

Methods Used

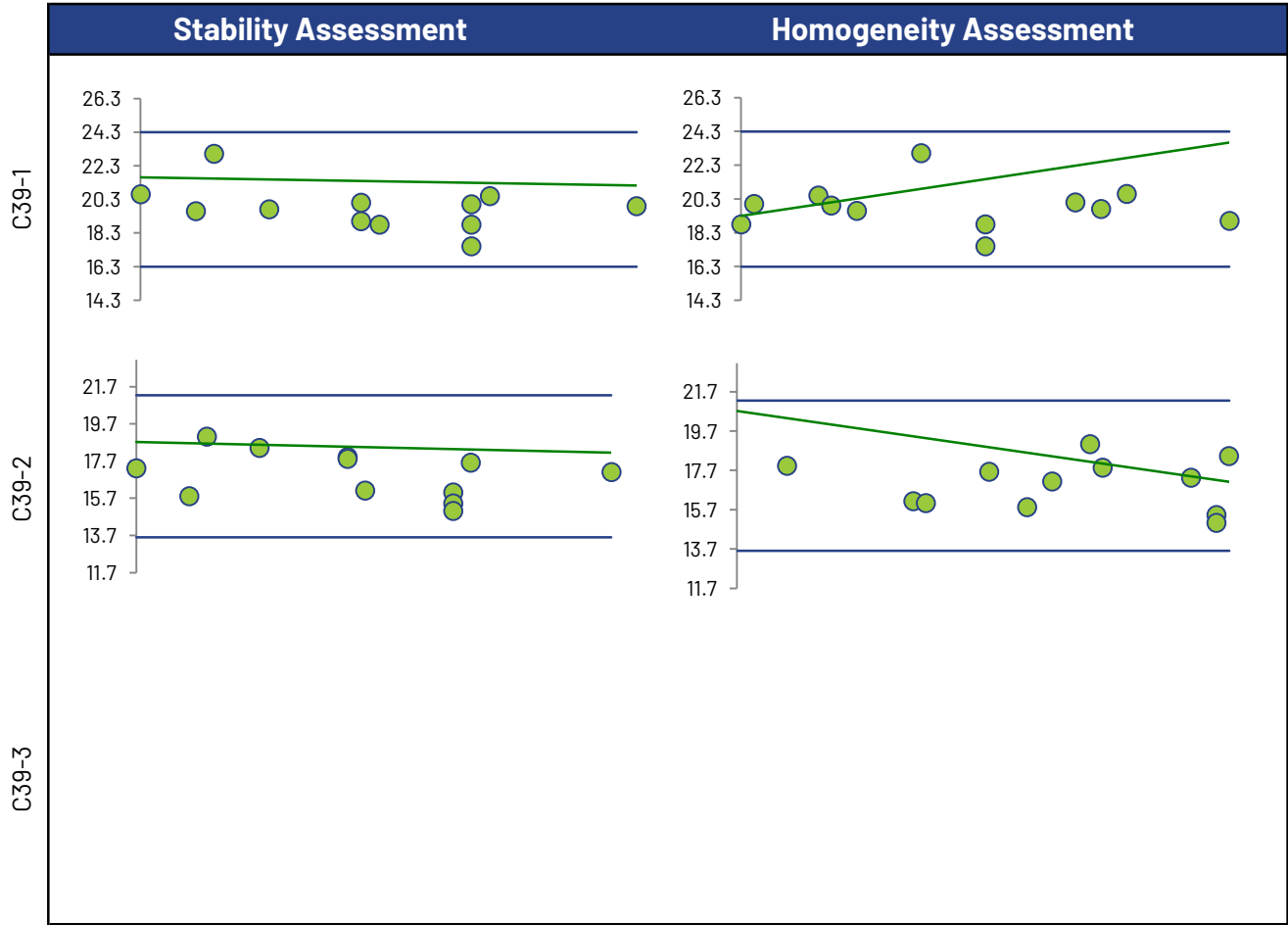
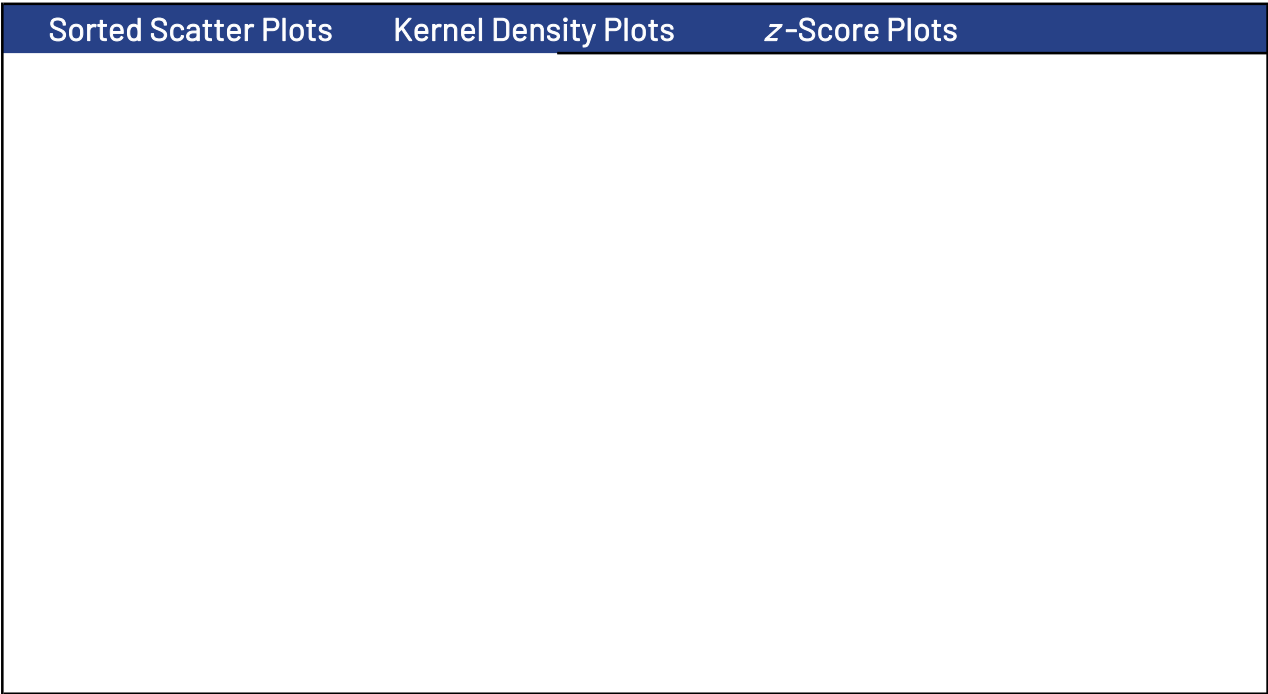
Method	C39-1	C39-2	C39-3	C39-4
TITRIMETRIC (Blue)	2	2	0	0
SELECTIVE ION ELECTRODE (Red)	6	6	0	0
COLORIMETRIC (Green)	3	3	0	0
ION CHROMATOGRAPHY (Orange)	3	3	0	0

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers



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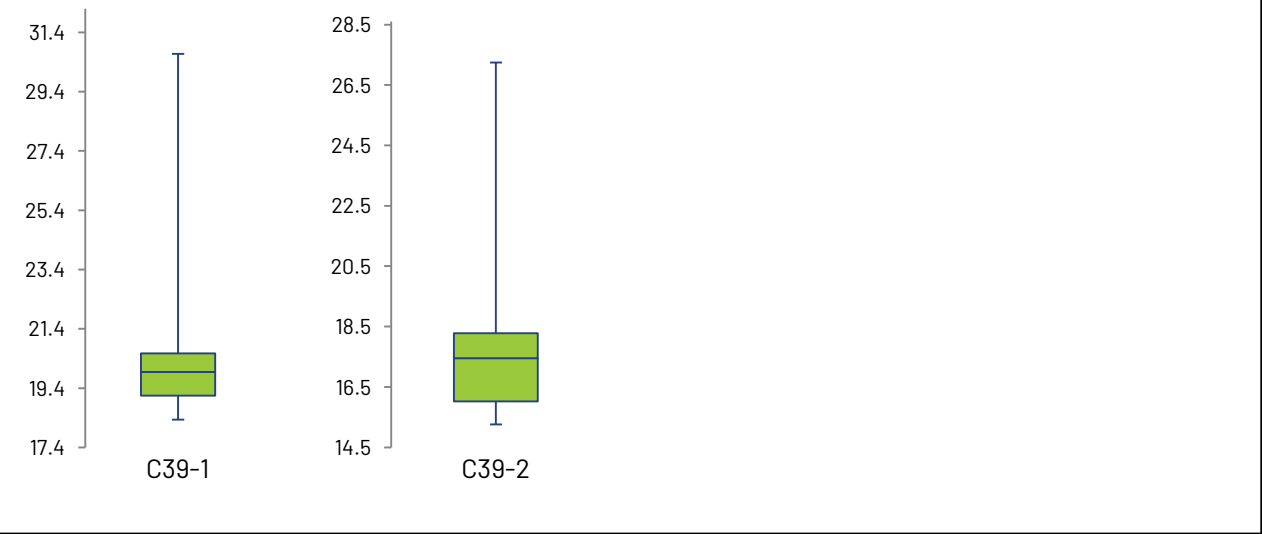
Fluoride



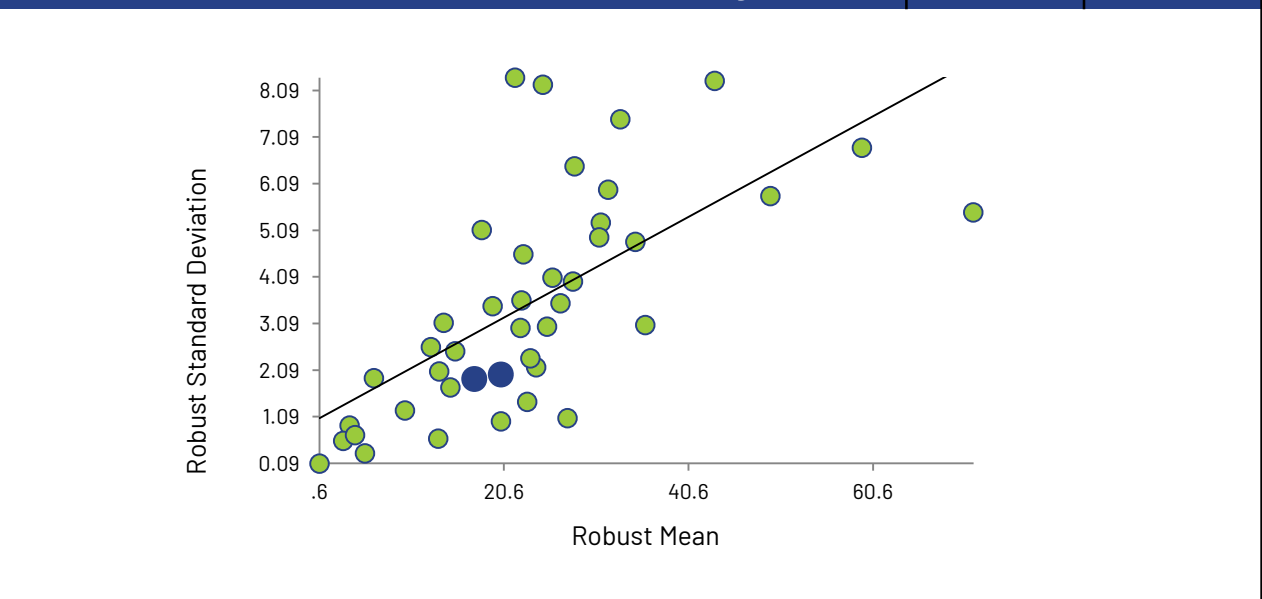
Fluoride

C39-4	Stability Assessment	Homogeneity Assessment
	Stability assessments are regression analysis of reported result against date of analysis. Homogeneity assessments are regression analysis of reported result against bottling order.	

Box and Whisker Plots



Current Round (blue) Compared to Historic Rounds (green)



Lead

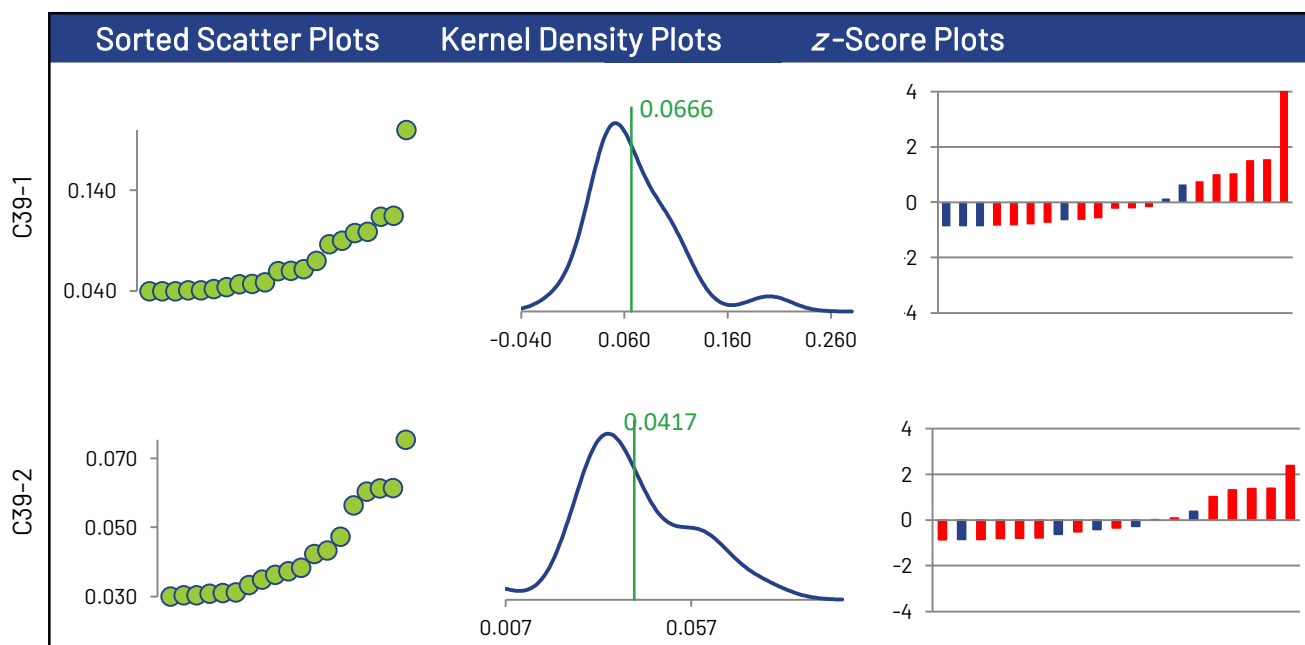
Summary Statistics

Statistic	C39-1	C39-2	C39-3	C39-4
No. of results used for summary statistics	21	19	0	0
Median mg/L	0.0600	0.0370		
Robust Mean mg/L	0.0666	0.0417		
Uncertainty of the Assigned Value mg/L	0.00859	0.00401		
Robust Standard Deviation mg/L	0.0315	0.0140		
Regression Standard Deviation mg/L				
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) mg/L	0.0315	0.0140		
Flagged Outliers	0	0	0	0
$ z > 3.0$	1	0	0	0
$2 < z < 3$	0	1	0	0
Failure Rate %*	0.0			

Methods Used

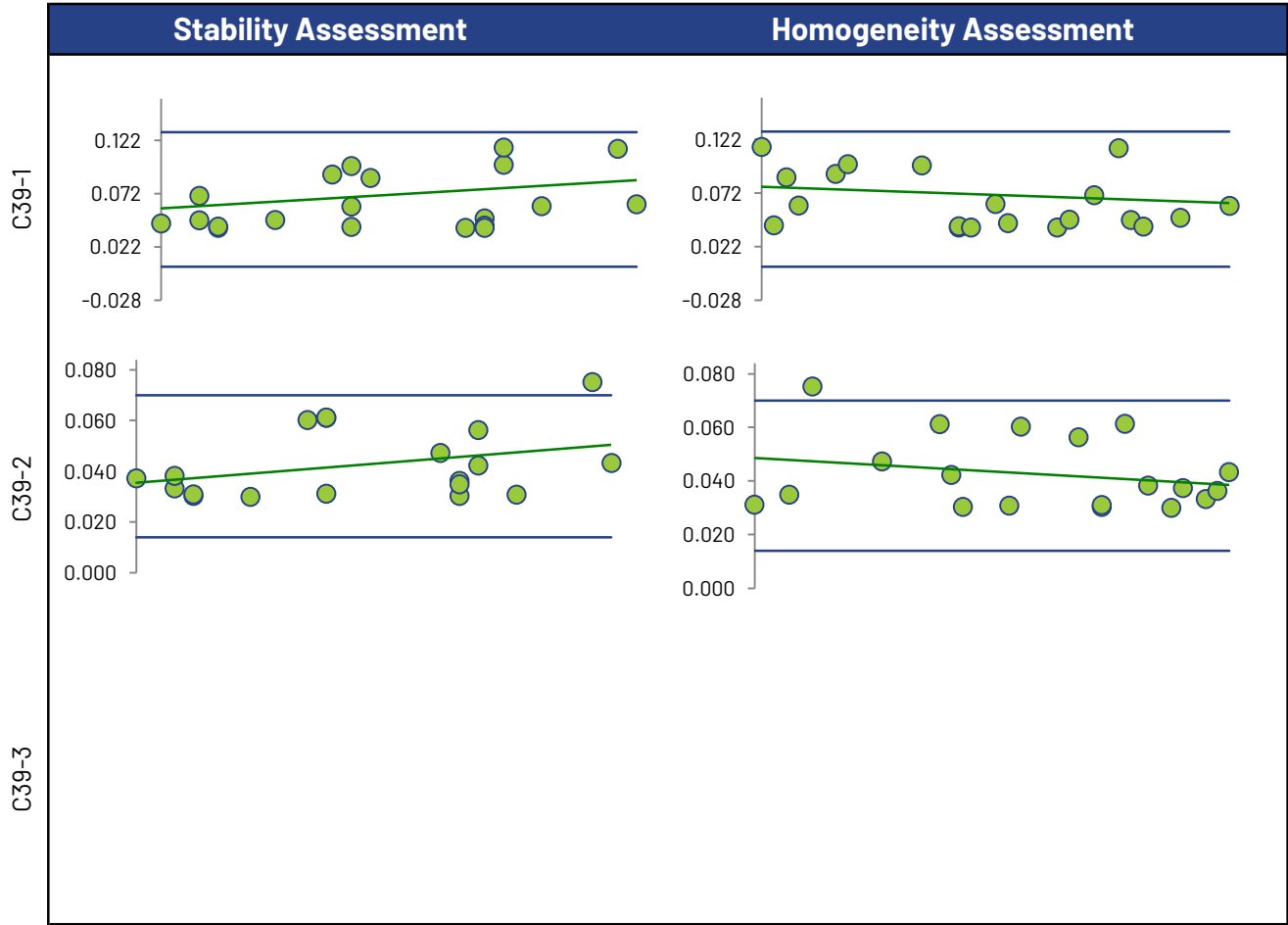
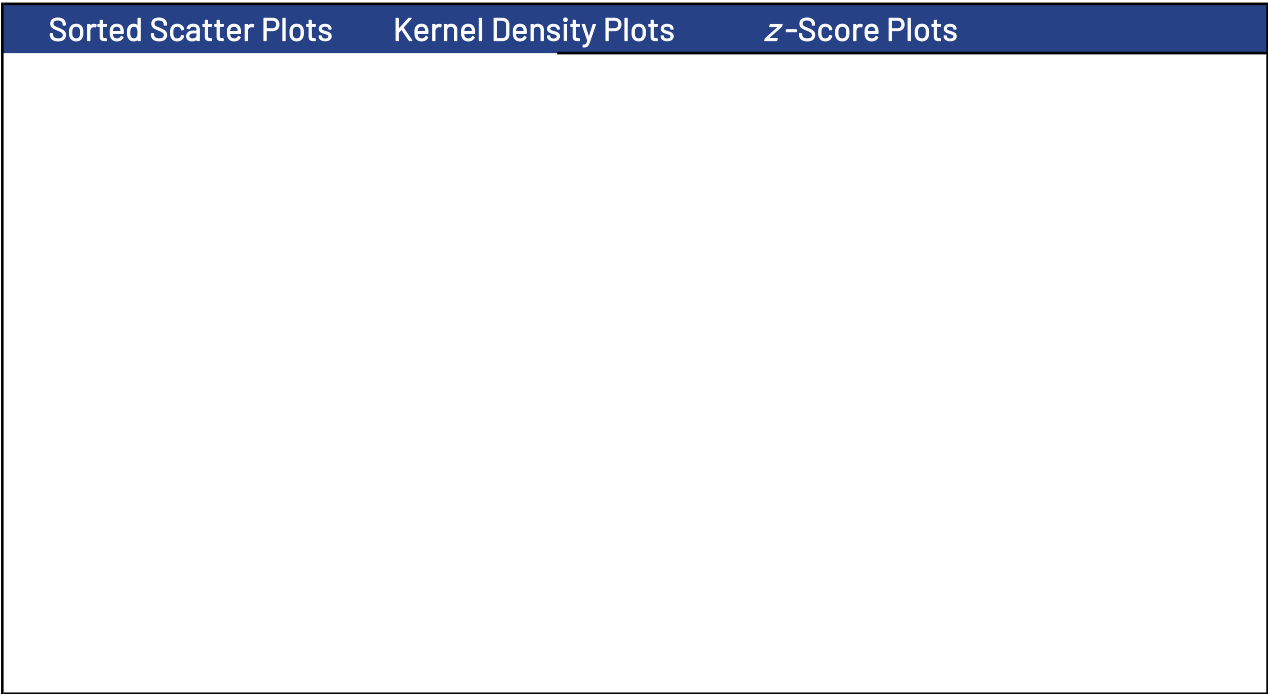
Method	C39-1	C39-2	C39-3	C39-4
ICP/OES (Blue)	6	5	0	0
ICP/MS (Red)	15	14	0	0

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers

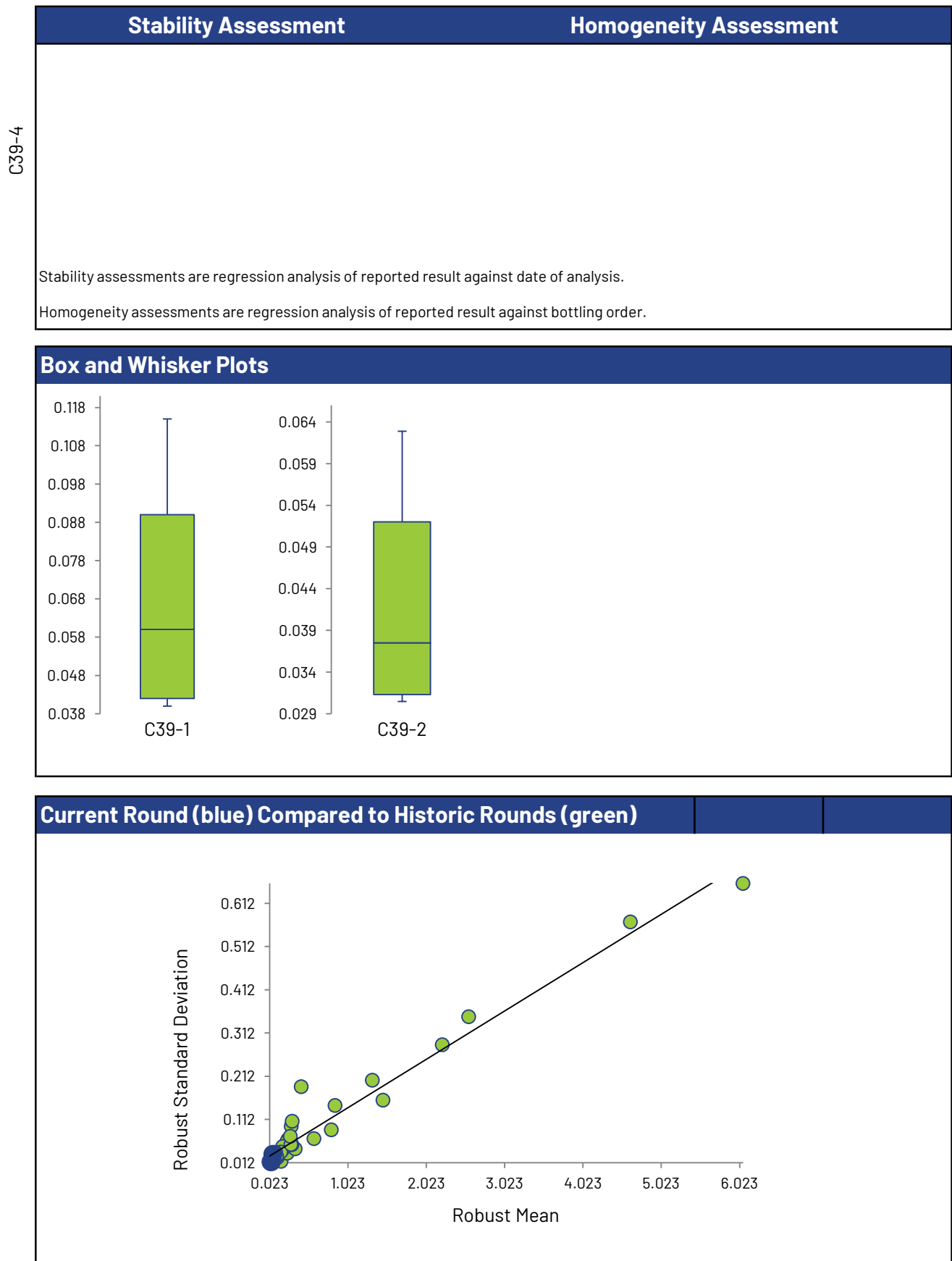


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

Lead



Lead



Mercury

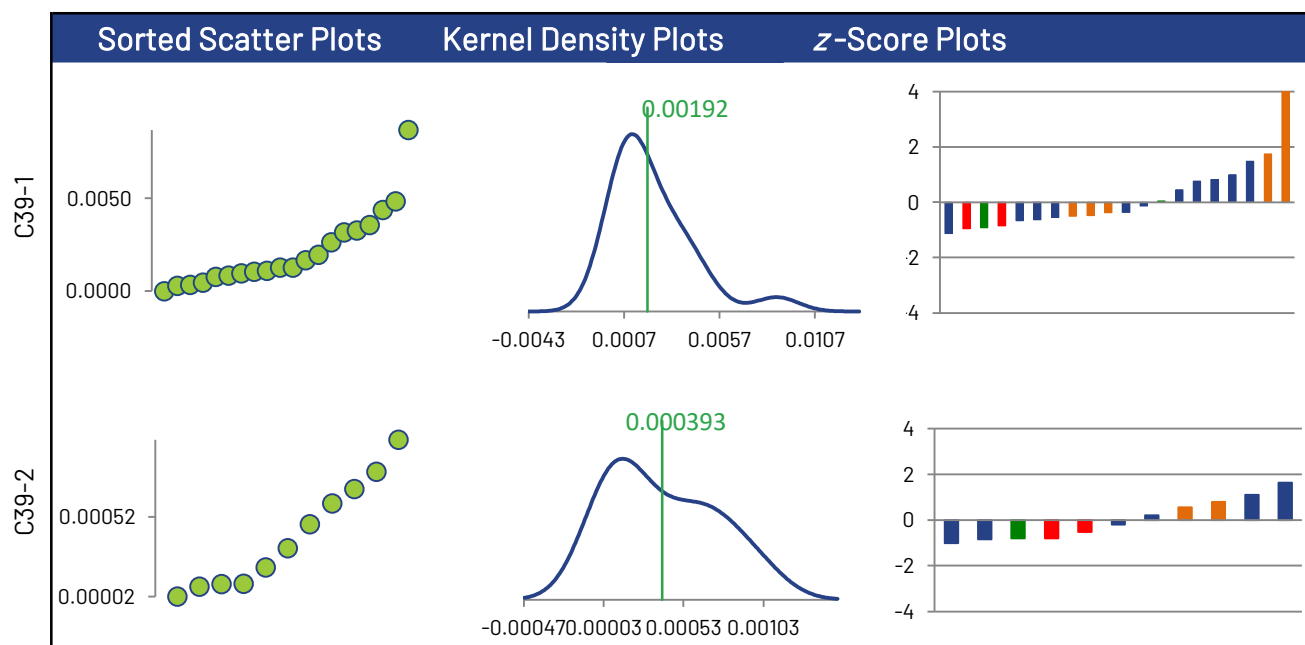
Summary Statistics

Statistic	C39-1	C39-2	C39-3	C39-4
No. of results used for summary statistics	20	11	0	0
Median mg/L	0.00131	0.000320		
Robust Mean mg/L	0.00192	0.000393		
Uncertainty of the Assigned Value mg/L	0.000470	0.000140		
Robust Standard Deviation mg/L	0.00168	0.000371		
Regression Standard Deviation mg/L				
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) mg/L	0.00168	0.000371		
Flagged Outliers	2	2	0	0
$ z > 3.0$	1	0	0	0
$2 < z < 3$	0	0	0	0
Failure Rate %*	0.0			

Methods Used

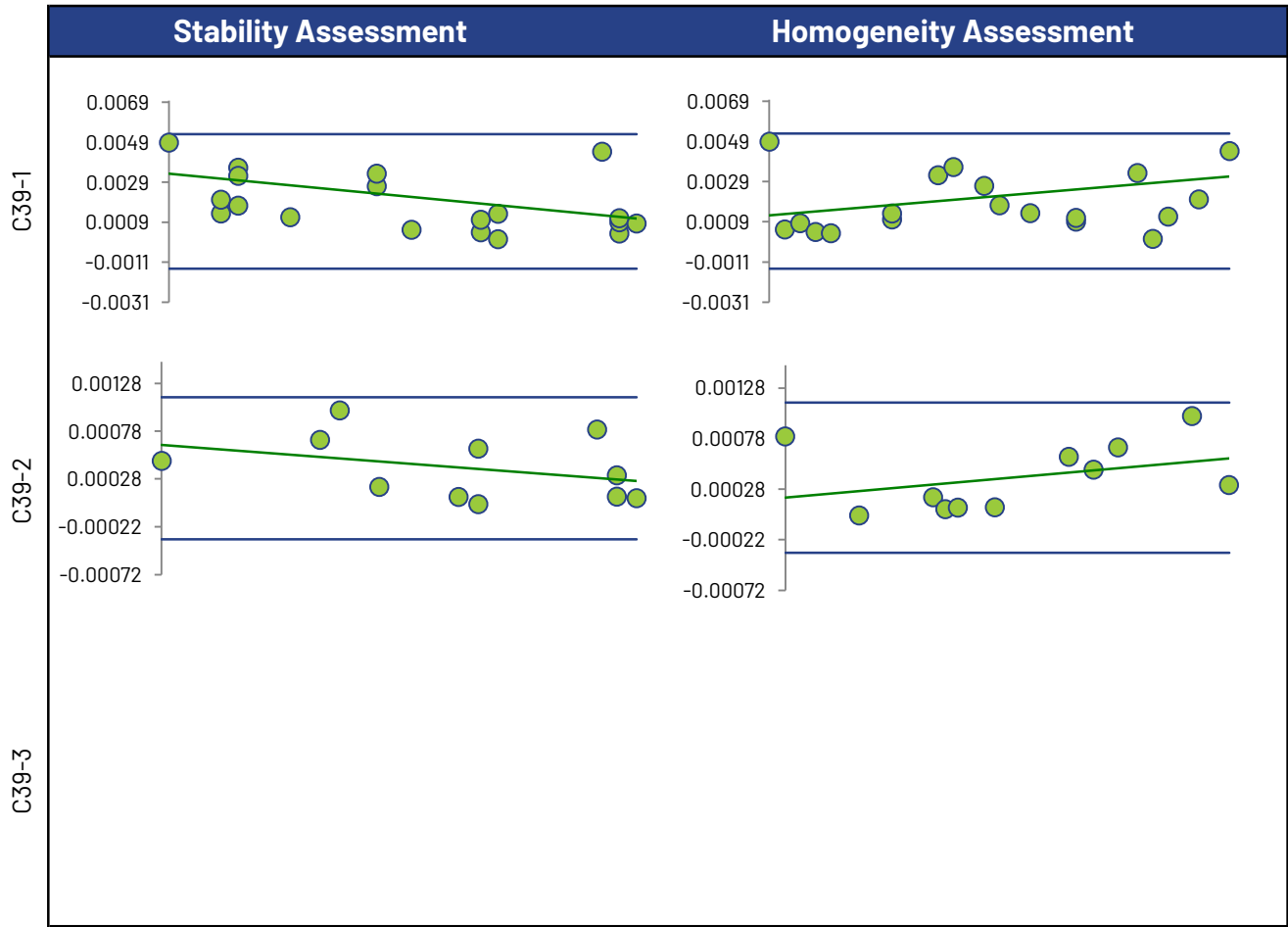
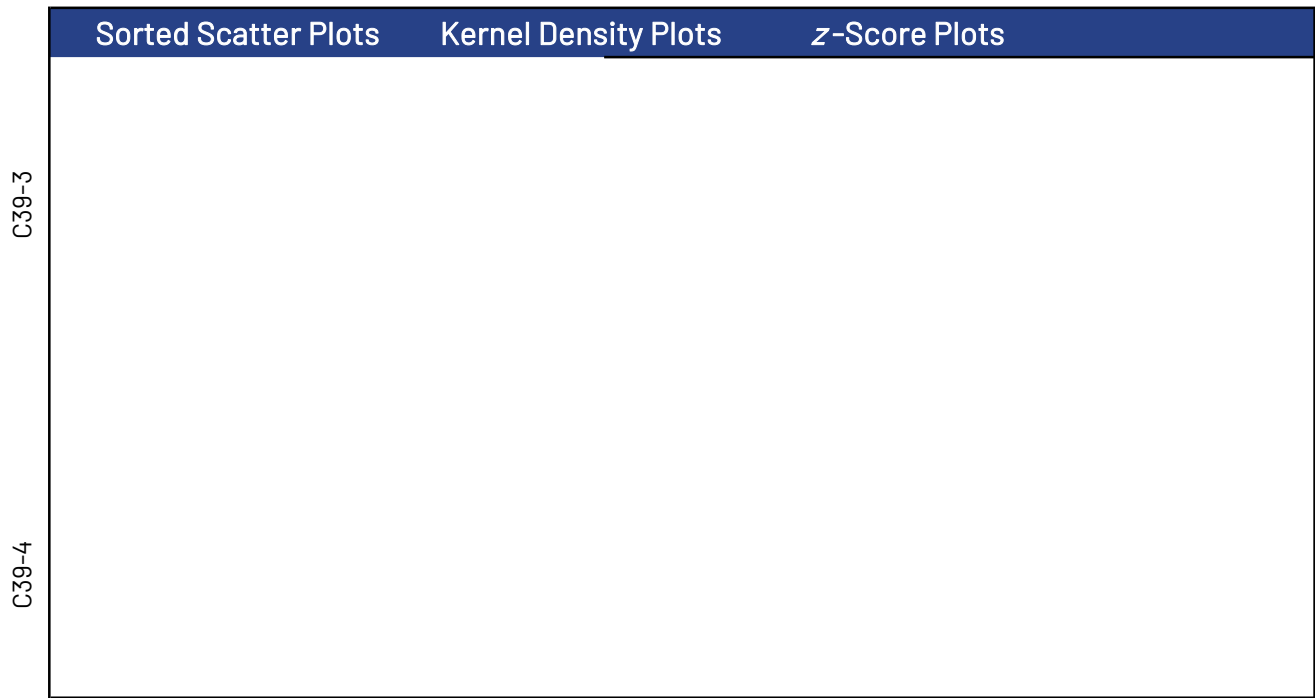
Method	C39-1	C39-2	C39-3	C39-4
COLD VAPOUR AA (Blue)	11	6	0	0
JR ATOMIC FLUORESCENCE SPECTROPHOTOMETRY (Red)	2	2	0	0
ICP/OES (Green)	2	1	0	0
ICP/MS (Orange)	5	2	0	0

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers



* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

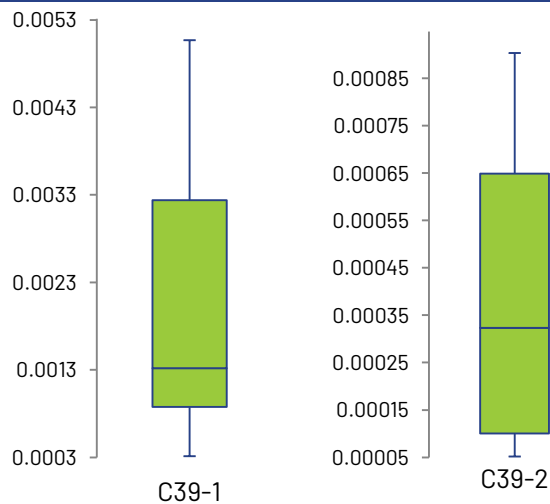
Mercury



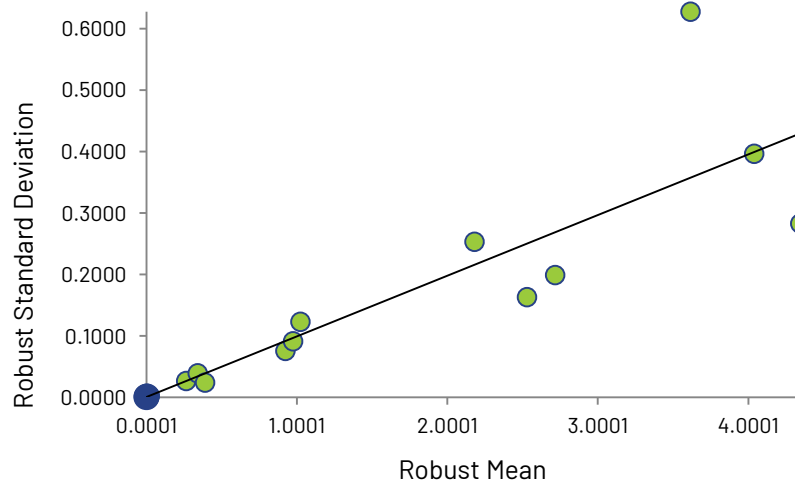
Mercury

C39-4	Stability Assessment	Homogeneity Assessment
	Stability assessments are regression analysis of reported result against date of analysis. Homogeneity assessments are regression analysis of reported result against bottling order.	

Box and Whisker Plots



Current Round (blue) Compared to Historic Rounds (green)



Nitrate

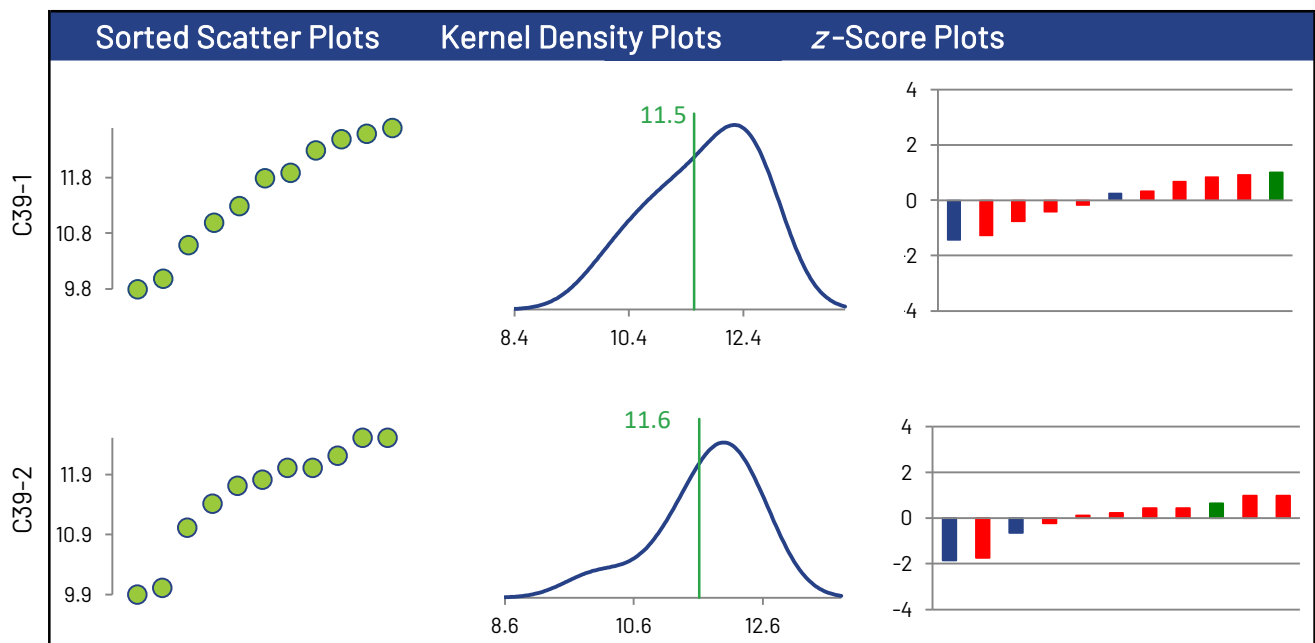
Summary Statistics

Statistic	C39-1	C39-2	C39-3	C39-4
No. of results used for summary statistics	11	11	0	0
Median mg/L	11.8	11.8		
Robust Mean mg/L	11.5	11.6		
Uncertainty of the Assigned Value mg/L	0.445	0.348		
Robust Standard Deviation mg/L	1.18	0.923		
Regression Standard Deviation mg/L				
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) mg/L	1.18	0.923		
Flagged Outliers	0	0	0	0
$ z > 3.0$	0	0	0	0
$2 < z < 3$	0	0	0	0
Failure Rate %*	0.0			

Methods Used

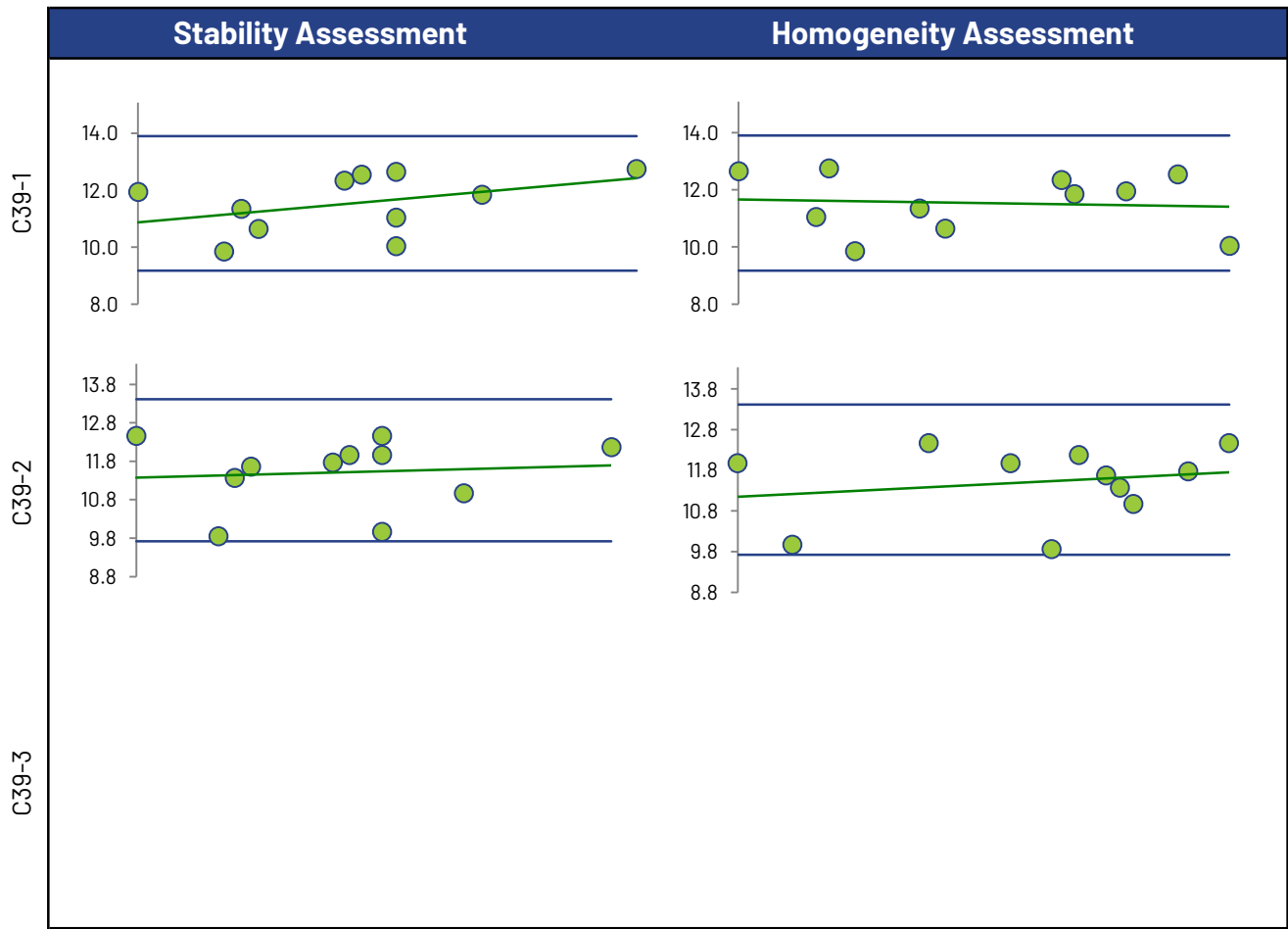
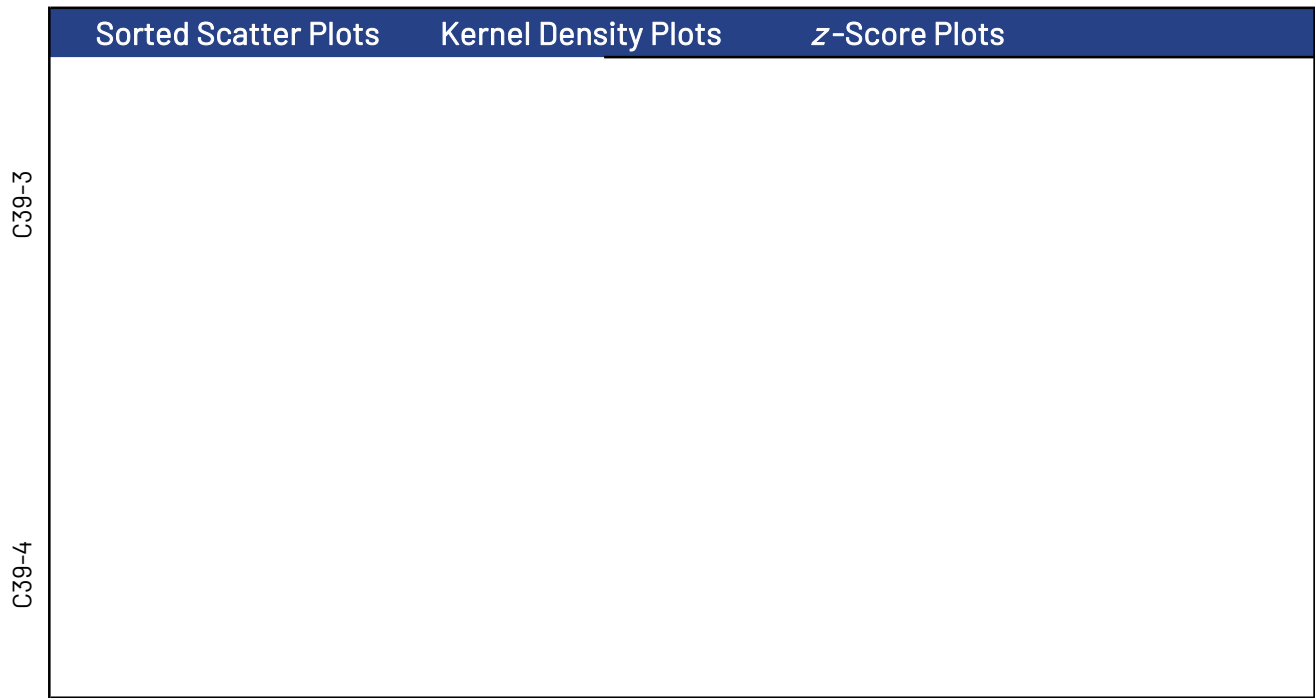
Method	C39-1	C39-2	C39-3	C39-4
COLORIMETRIC (Blue)	2	2	0	0
ION CHROMATOGRAPHY (Red)	8	8	0	0
AUTO COLOR (Green)	1	1	0	0

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers



* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

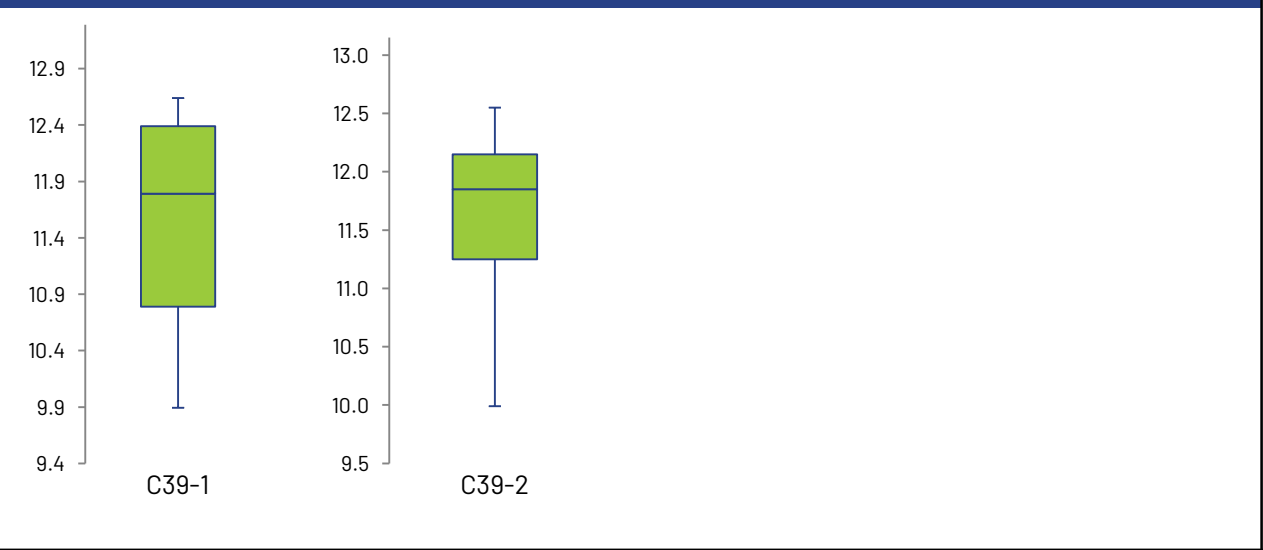
Nitrate



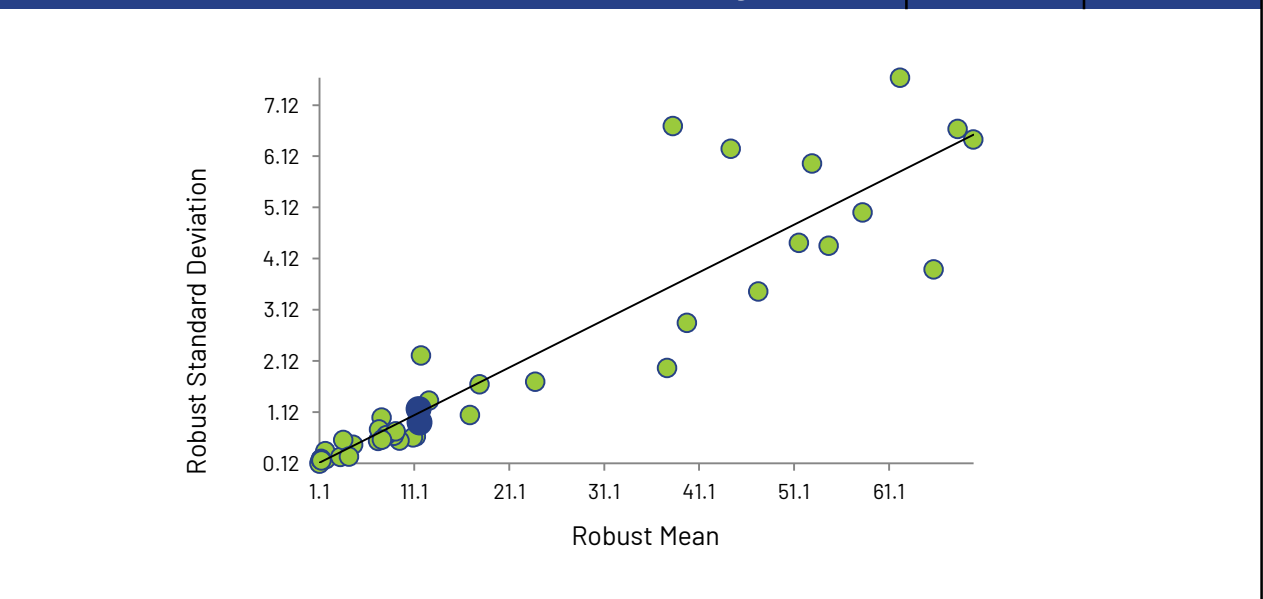
Nitrate

C39-4	Stability Assessment	Homogeneity Assessment
	Stability assessments are regression analysis of reported result against date of analysis. Homogeneity assessments are regression analysis of reported result against bottling order.	

Box and Whisker Plots



Current Round (blue) Compared to Historic Rounds (green)



Nitrate plus Nitrite

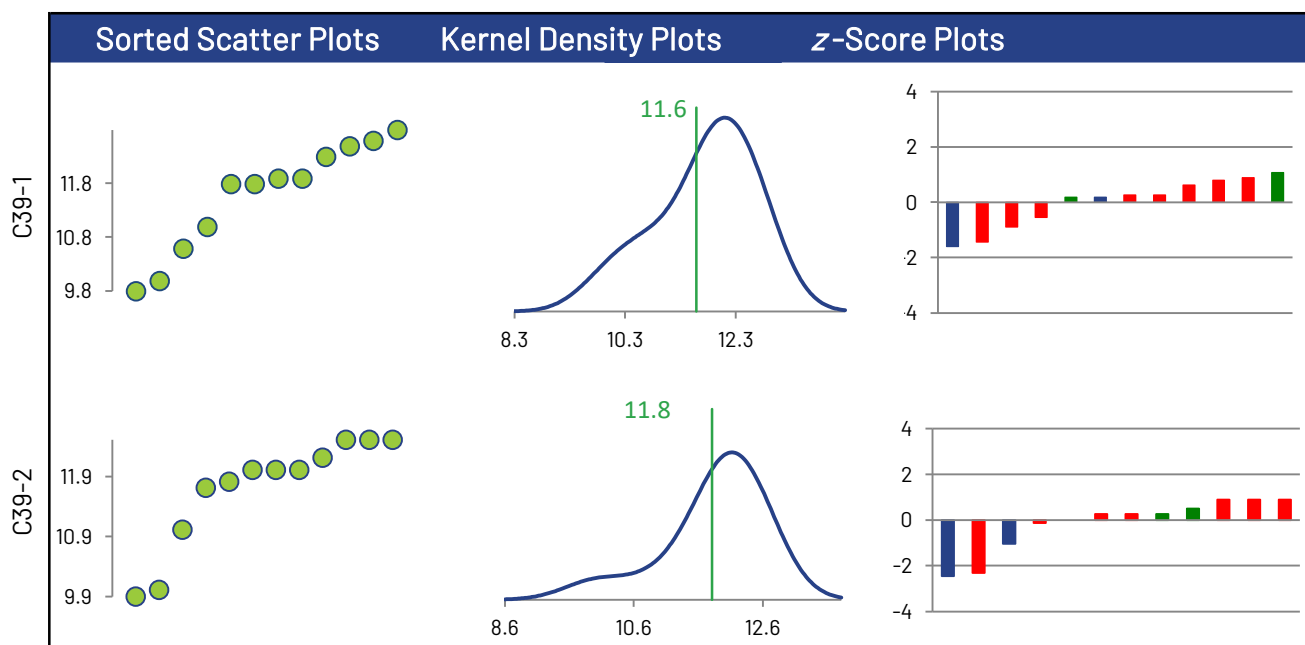
Summary Statistics

Statistic	C39-1	C39-2	C39-3	C39-4
No. of results used for summary statistics	12	12	0	0
Median mg/L	11.9	12.0		
Robust Mean mg/L	11.6	11.8		
Uncertainty of the Assigned Value mg/L	0.404	0.281		
Robust Standard Deviation mg/L	1.12	0.779		
Regression Standard Deviation mg/L				
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) mg/L	1.12	0.779		
Flagged Outliers	0	0	0	0
$ z > 3.0$	0	0	0	0
$2 < z < 3$	0	2	0	0
Failure Rate %*	0.0			

Methods Used

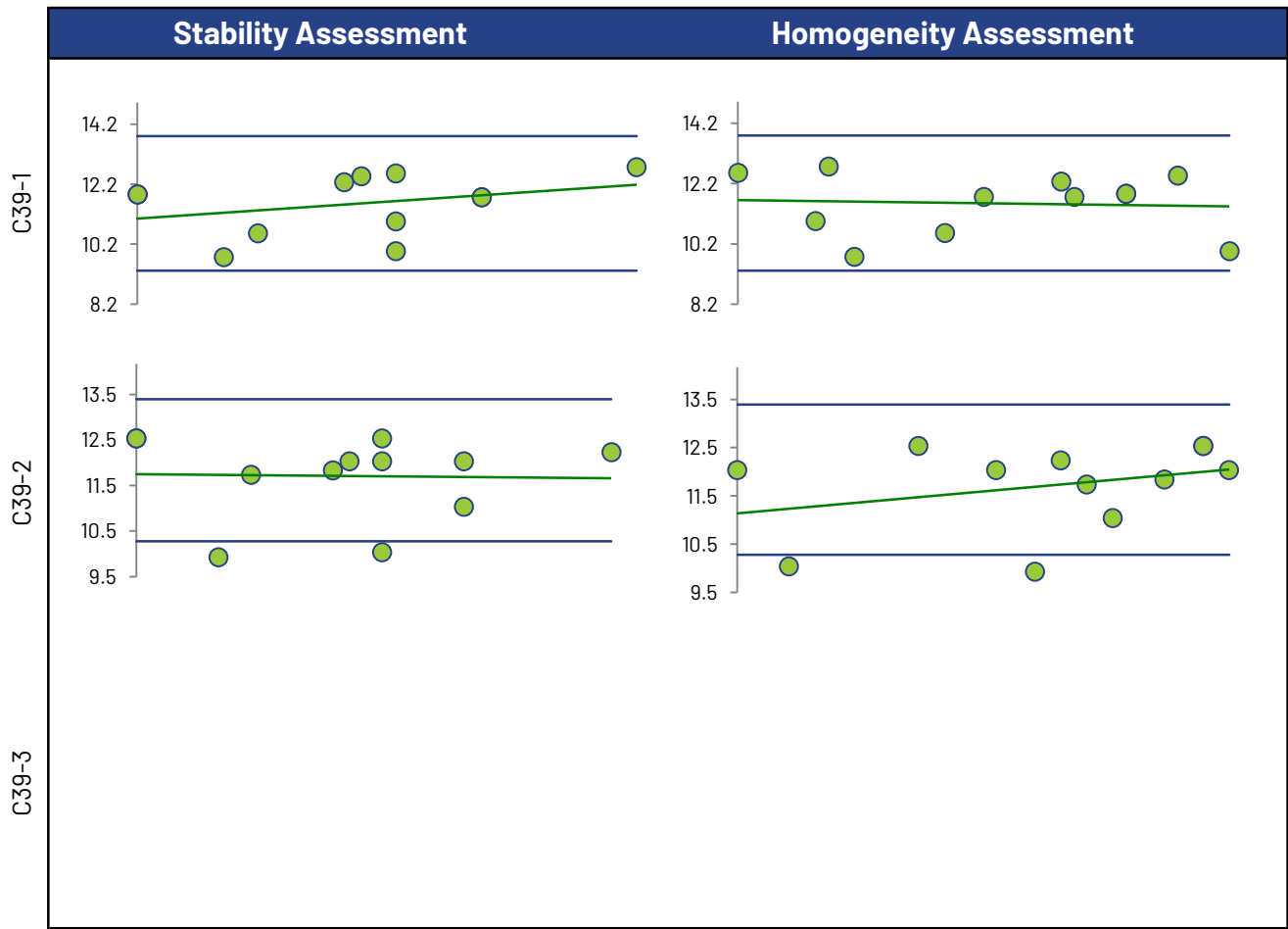
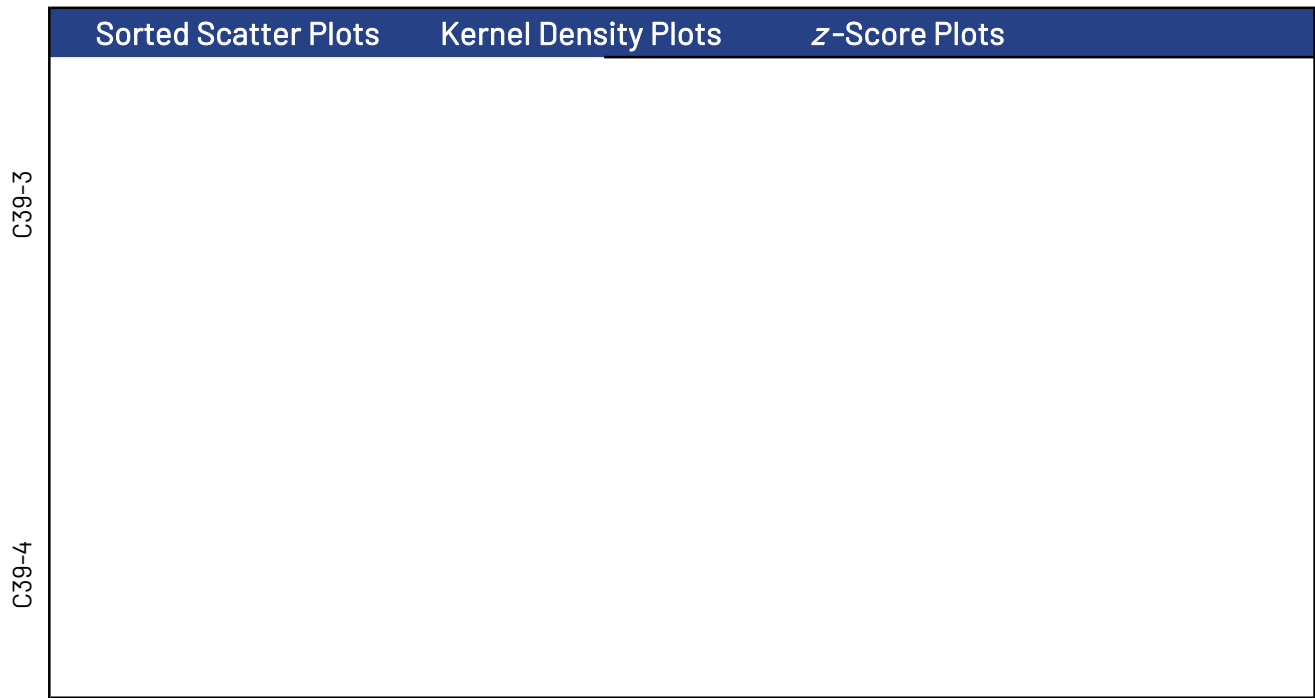
Method	C39-1	C39-2	C39-3	C39-4
COLORIMETRIC (Blue)	2	2	0	0
ION CHROMATOGRAPHY (Red)	8	8	0	0
AUTO COLOR (Green)	2	2	0	0

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers



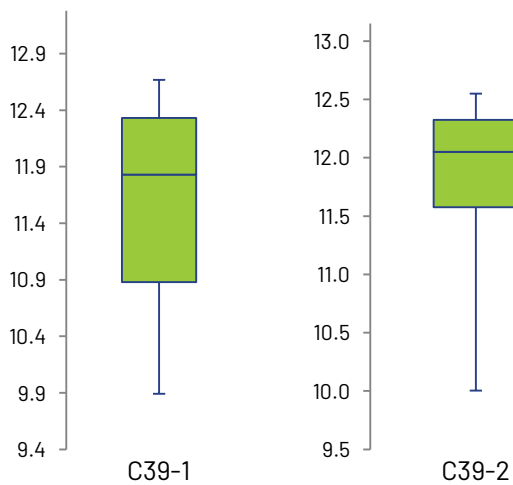
* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

Nitrate plus Nitrite

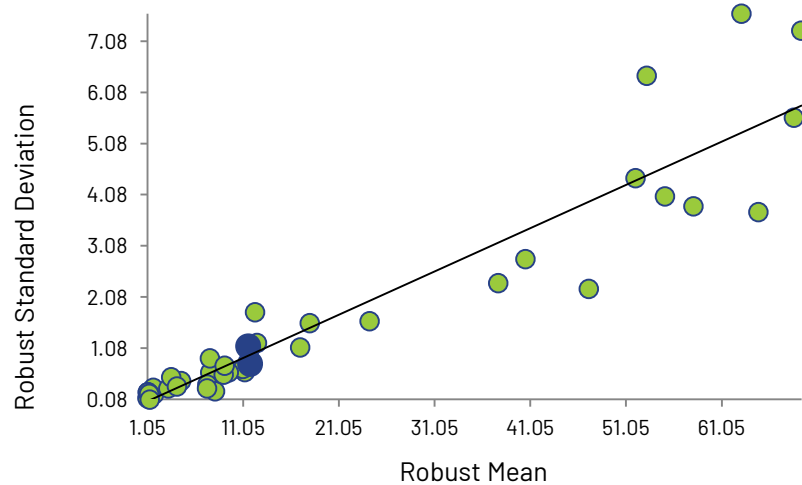


Stability Assessment	Homogeneity Assessment
Stability assessments are regression analysis of reported result against date of analysis.	Homogeneity assessments are regression analysis of reported result against bottling order.

Box and Whisker Plots



Current Round (blue) Compared to Historic Rounds (green)



Selenium

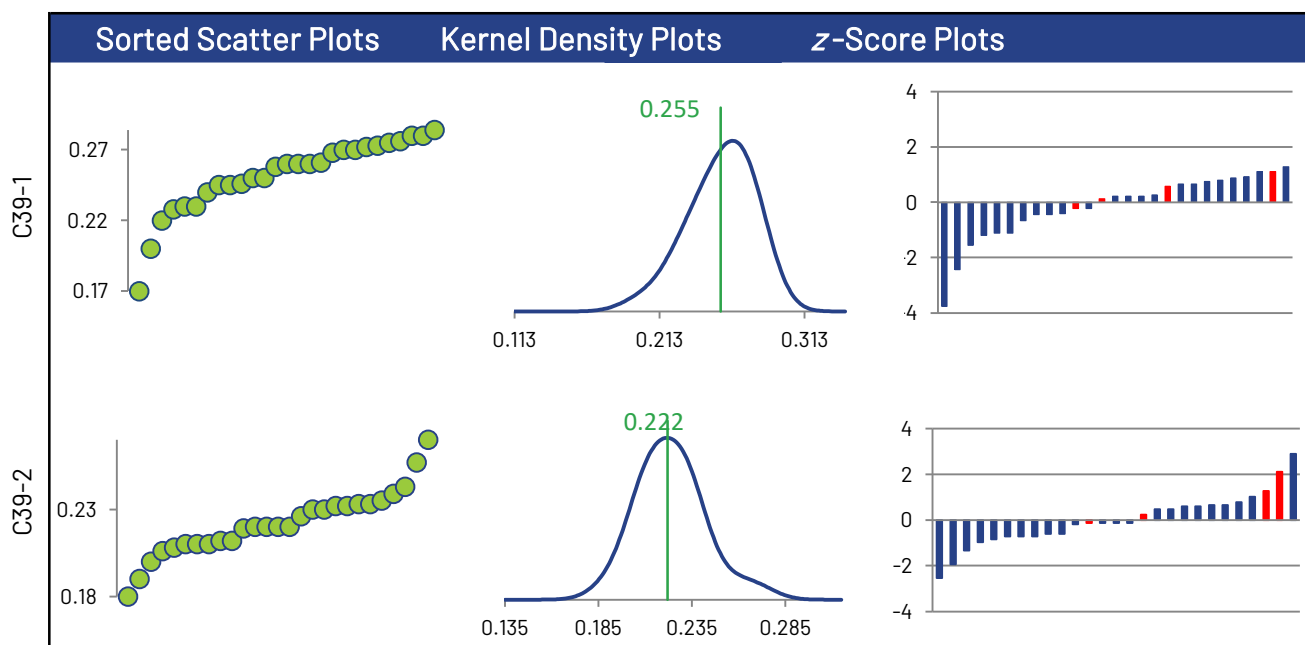
Summary Statistics

Statistic	C39-1	C39-2	C39-3	C39-4
No. of results used for summary statistics	27	27	0	0
Median mg/L	0.260	0.220		
Robust Mean mg/L	0.255	0.222		
Uncertainty of the Assigned Value mg/L	0.00544	0.00399		
Robust Standard Deviation mg/L	0.0226	0.0166		
Regression Standard Deviation mg/L				
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) mg/L	0.0226	0.0166		
Flagged Outliers	0	0	0	0
$ z > 3.0$	1	0	0	0
$2 < z < 3$	1	3	0	0
Failure Rate %*	0.0			

Methods Used

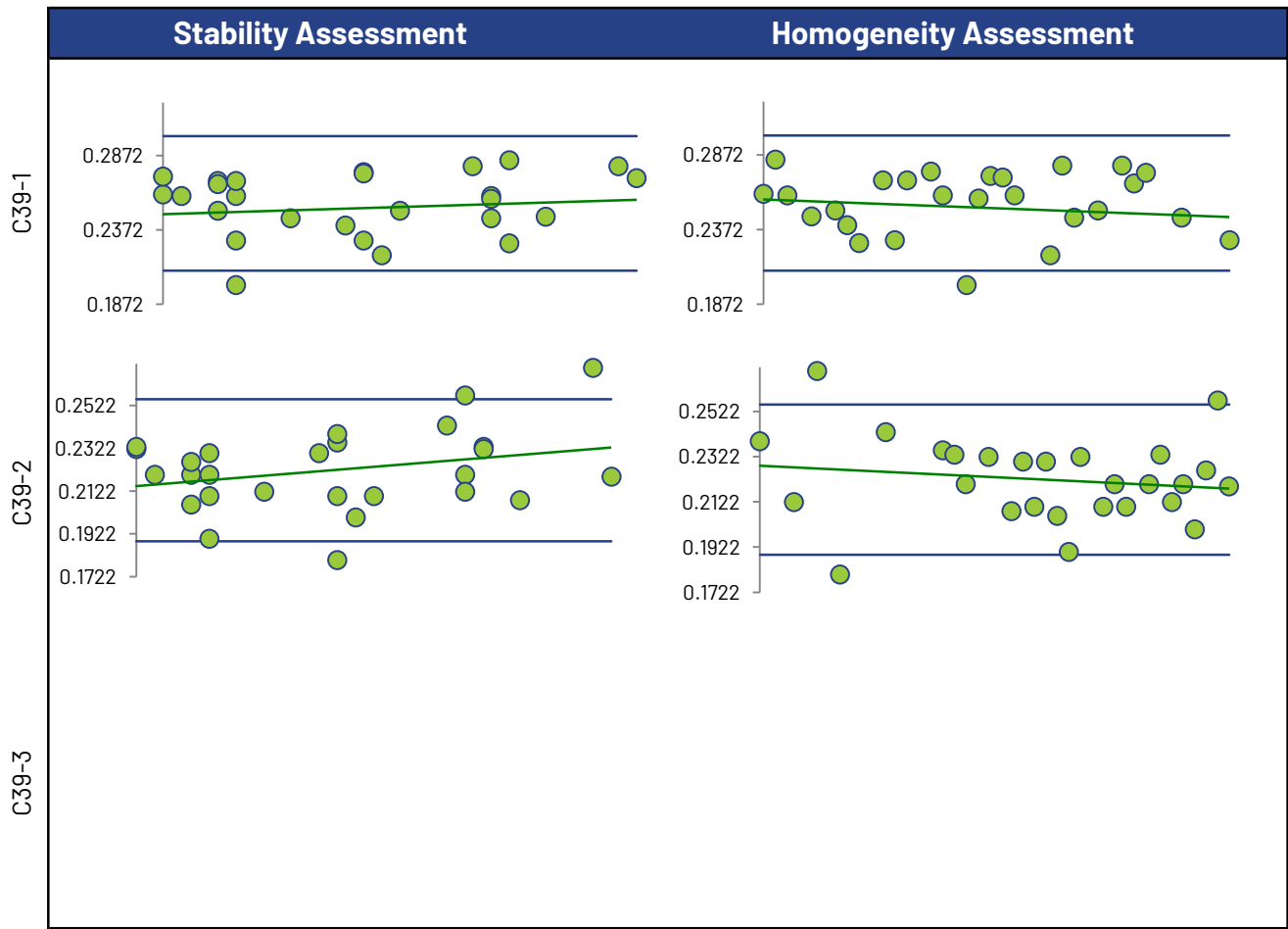
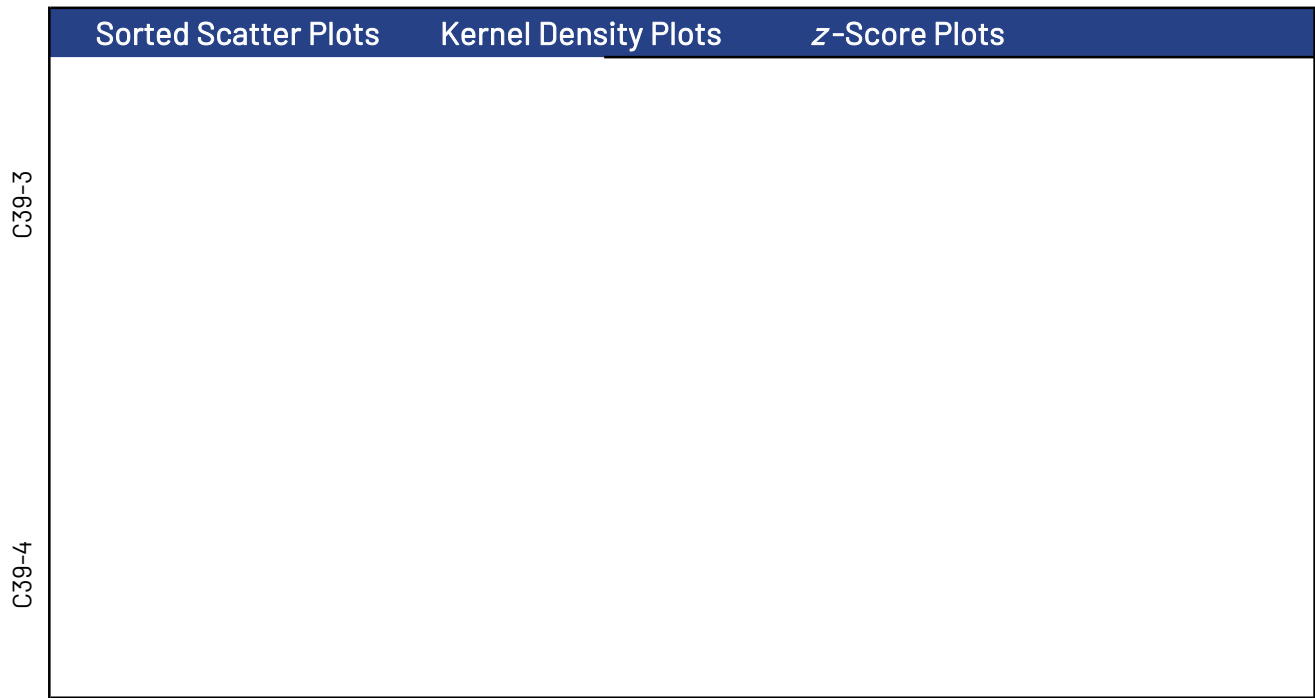
Method	C39-1	C39-2	C39-3	C39-4
ICP/MS (Blue)	23	23	0	0
ICP/OES (Red)	4	4	0	0

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers



* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

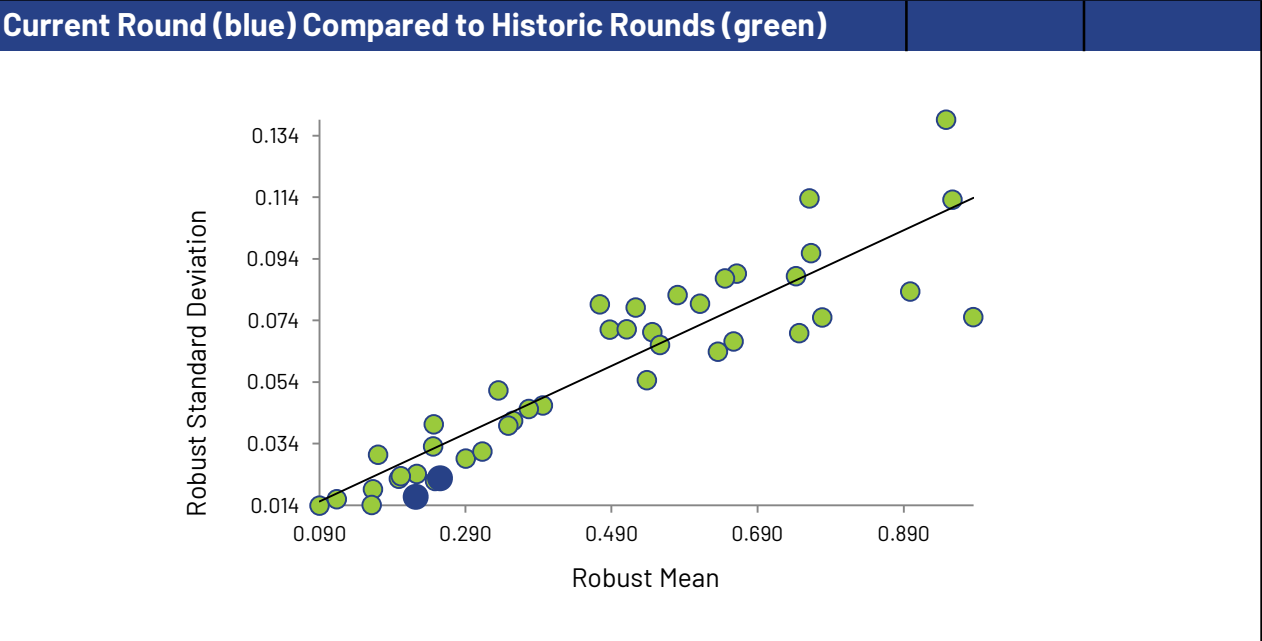
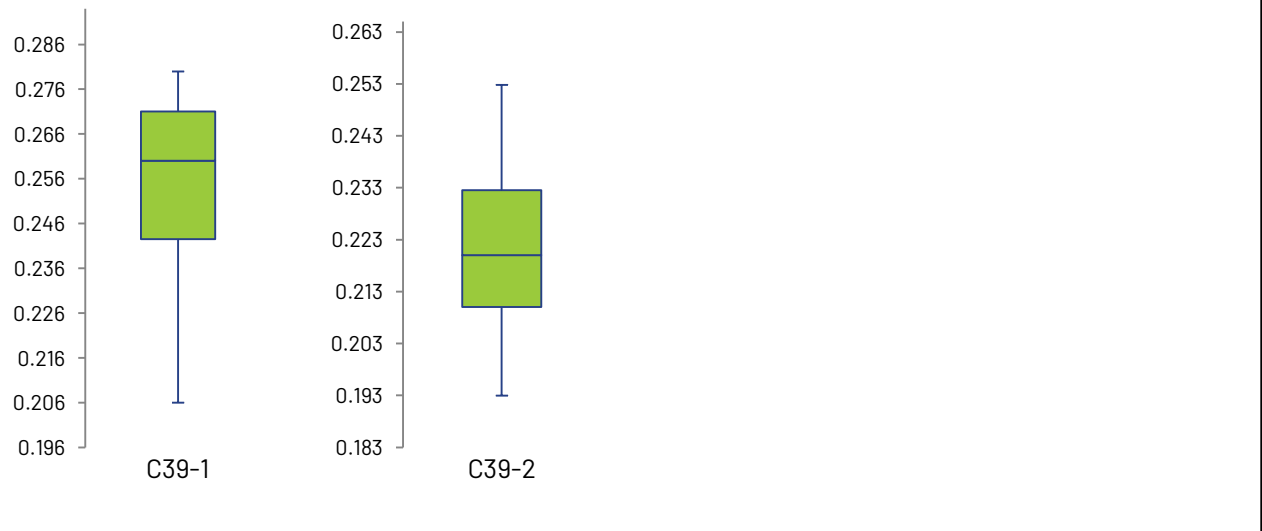
Selenium



Selenium

C39-4	Stability Assessment	Homogeneity Assessment
	Stability assessments are regression analysis of reported result against date of analysis. Homogeneity assessments are regression analysis of reported result against bottling order.	

Box and Whisker Plots



Silver

Summary Statistics

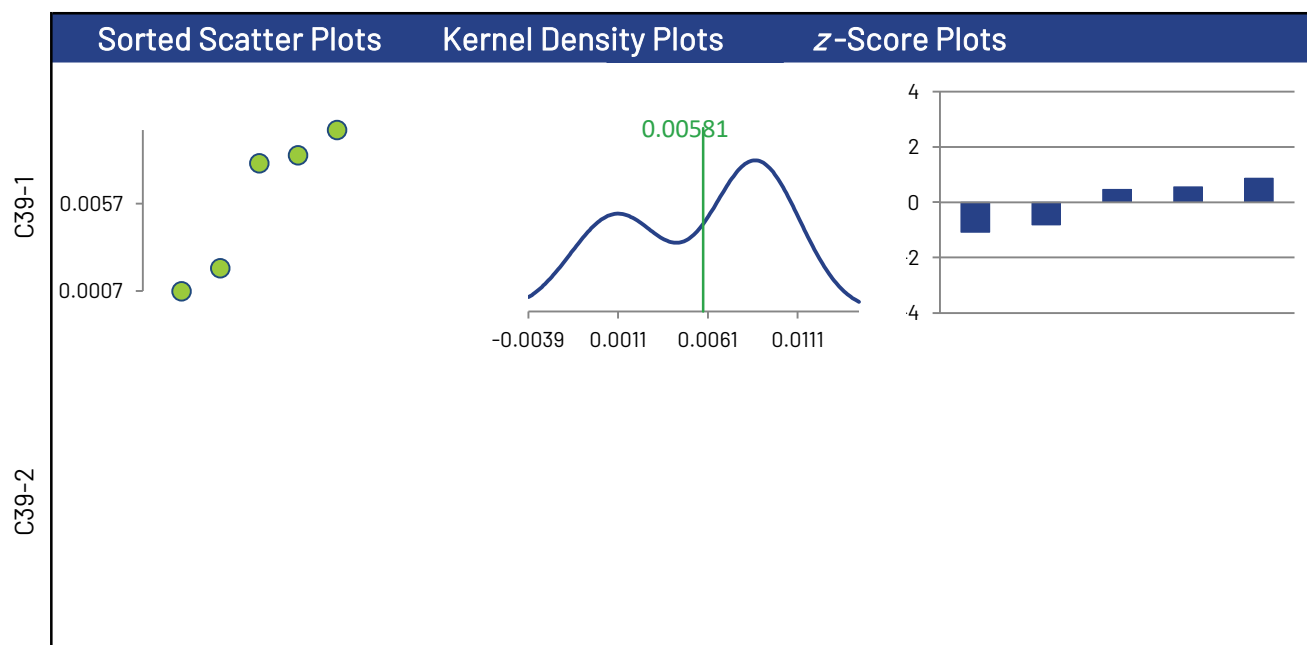
Excluded

Statistic	C39-1	C39-2	C39-3	C39-4
No. of results used for summary statistics	5	0	0	0
Median mg/L	0.00800			
Robust Mean mg/L	0.00581			
Uncertainty of the Assigned Value mg/L	0.00264			
Robust Standard Deviation mg/L	0.00472			
Regression Standard Deviation mg/L				
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) mg/L	0.00472			
Flagged Outliers	1	3	0	0
$ z > 3.0$	0	0	0	0
$2 < z < 3$	0	0	0	0
Failure Rate %*	0.0			

Methods Used

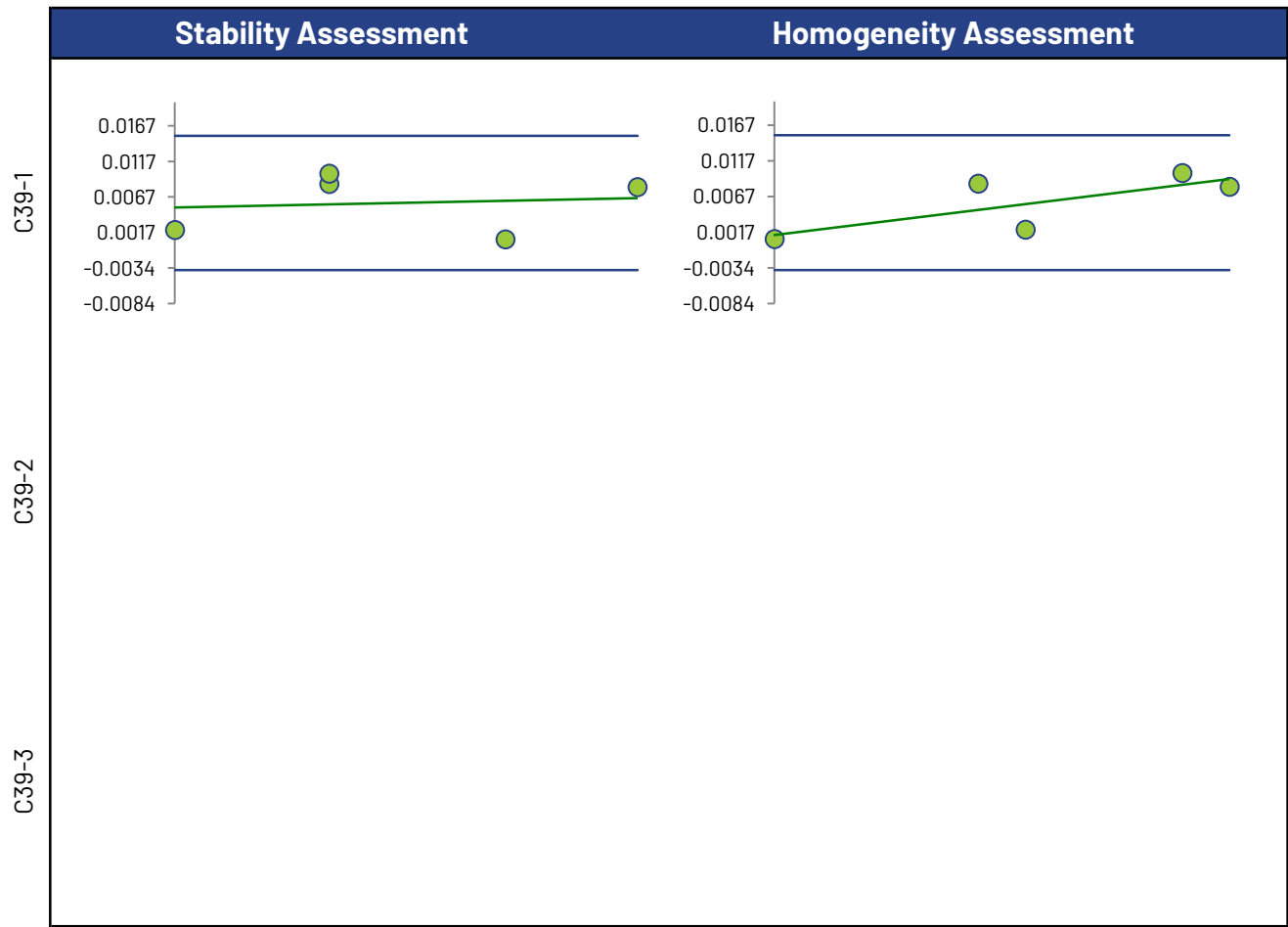
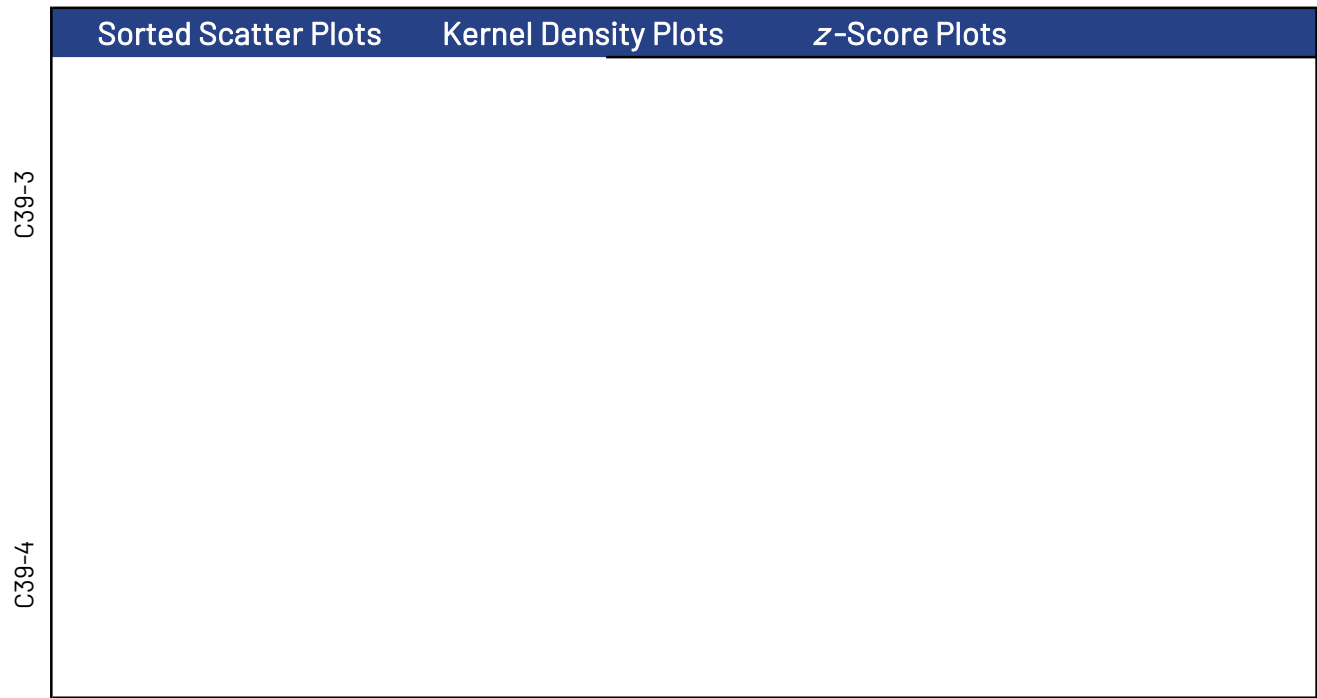
Method	C39-1	C39-2	C39-3	C39-4
ICP/MS (Blue)	5	0	0	0

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers



* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

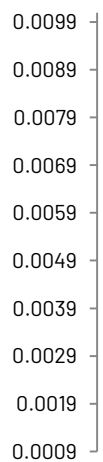
Silver



Silver

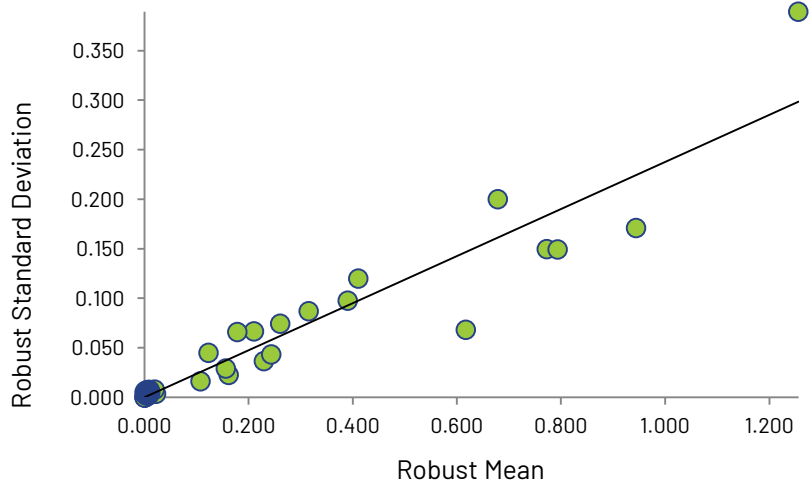
C39-4	Stability Assessment	Homogeneity Assessment
	Stability assessments are regression analysis of reported result against date of analysis. Homogeneity assessments are regression analysis of reported result against bottling order.	

Box and Whisker Plots



C39-1

Current Round (blue) Compared to Historic Rounds (green)



Uranium

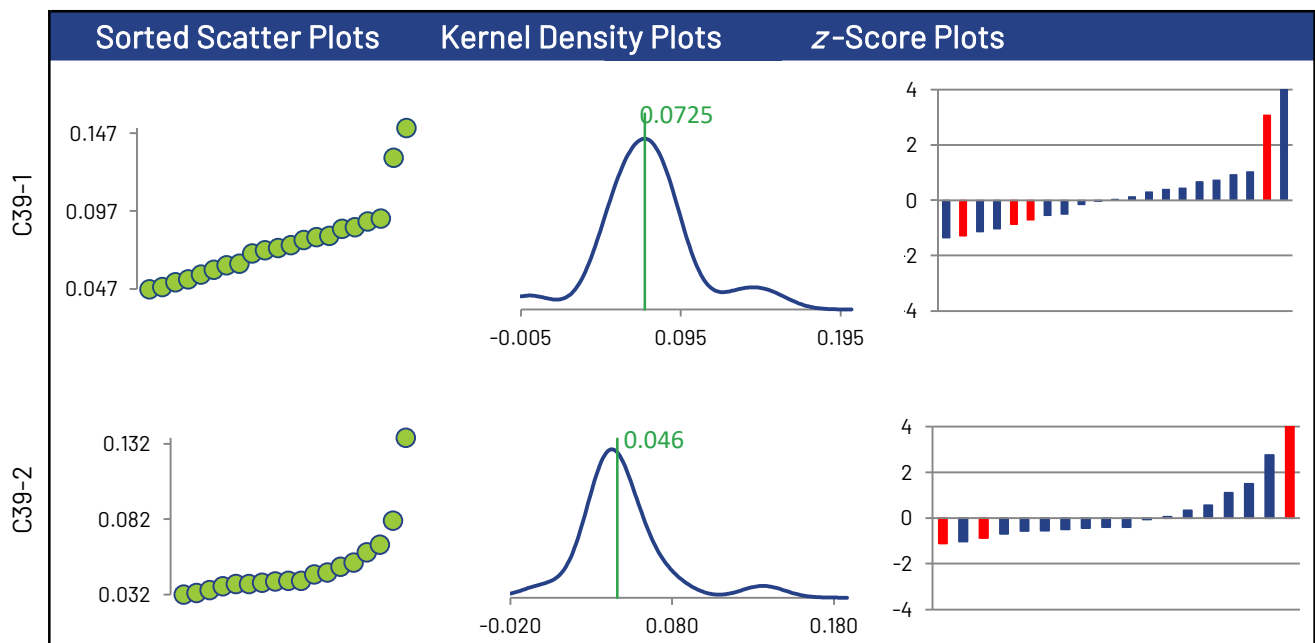
Summary Statistics

Statistic	C39-1	C39-2	C39-3	C39-4
No. of results used for summary statistics	21	18	0	0
Median mg/L	0.0730	0.0410		
Robust Mean mg/L	0.0725	0.0460		
Uncertainty of the Assigned Value mg/L	0.00518	0.00374		
Robust Standard Deviation mg/L	0.0190	0.0127		
Regression Standard Deviation mg/L				
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) mg/L	0.0190	0.0127		
Flagged Outliers	0	0	0	0
$ z > 3.0$	2	1	0	0
$2 < z < 3$	0	1	0	0
Failure Rate %*	3.1			

Methods Used

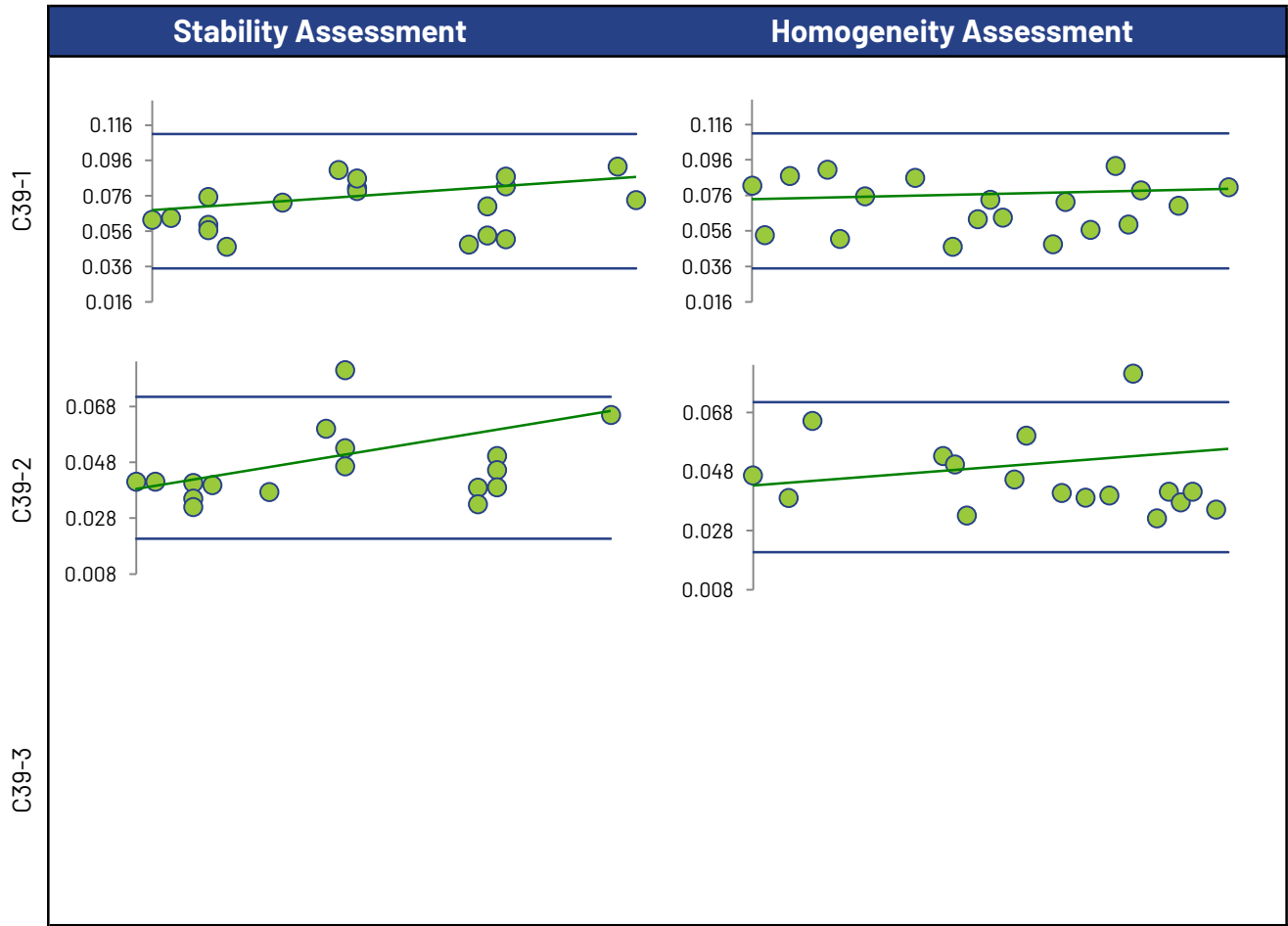
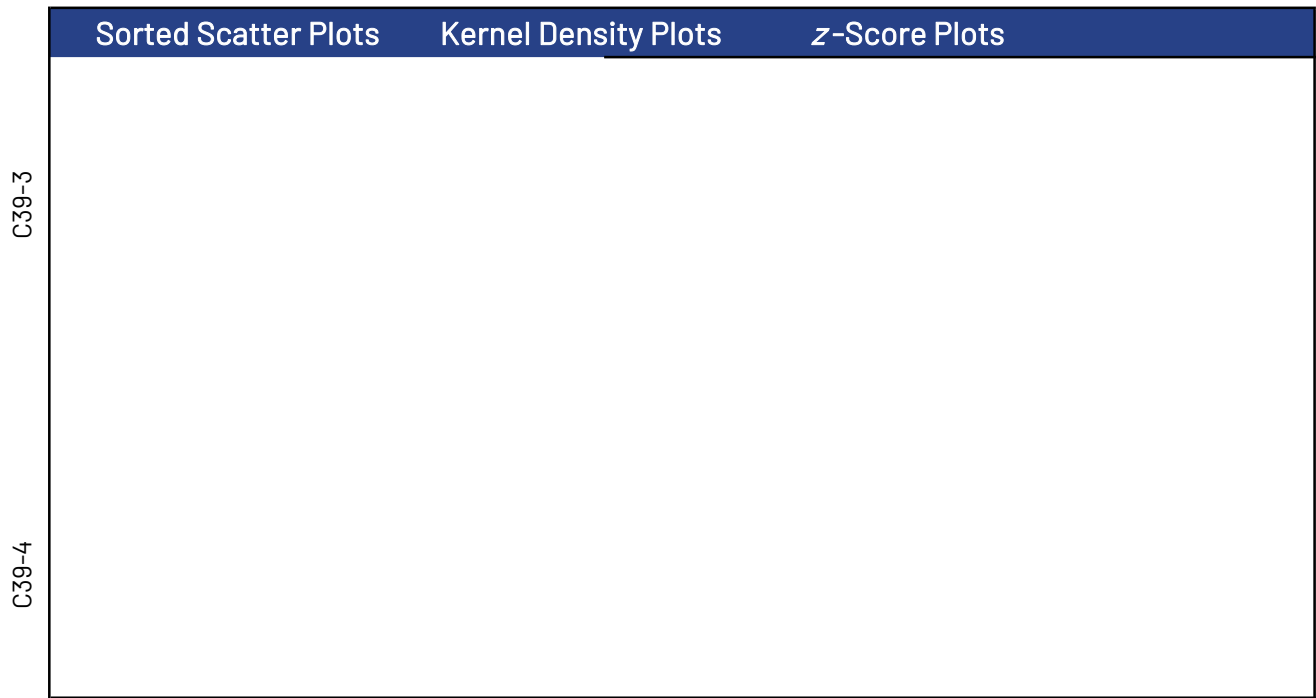
Method	C39-1	C39-2	C39-3	C39-4
ICP/MS (Blue)	17	15	0	0
ICP/OES (Red)	4	3	0	0

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers



* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

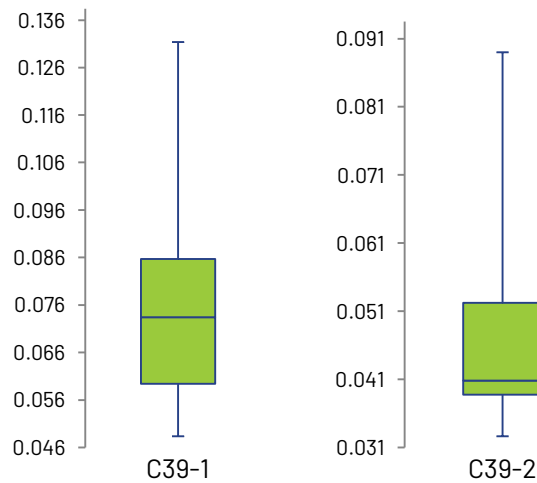
Uranium



Uranium

C39-4	Stability Assessment	Homogeneity Assessment
	Stability assessments are regression analysis of reported result against date of analysis. Homogeneity assessments are regression analysis of reported result against bottling order.	

Box and Whisker Plots



Current Round (blue) Compared to Historic Rounds (green)

