

Test Group Summary Report

C39 Inorganics by TCLP

January 2026 PT Round

Issued: March 2, 2026

Table of Contents

1.0	The Proficiency Testing Report	1
2.0	Definitions	1
3.0	Scoring System	1
3.1	Homogeneity and Stability Assessment	2
3.2	The z score	2
3.2	Composite (PT) Score	2
3.3	Identifying Bias	2
3.4	Deviations from Evaluation Procedure	3
4.0	PT Round Specific Data Summary	3
4.1	Summary statistics	3
4.2	z - Score Plots	3
4.3	kernel density plots.....	3
4.4	stability and homogeneity Plots.....	3
4.5	Box-and-Whisker Plots	3
4.6	Historic Comparison Plot	3
	Annex A Summary by Analyte	4

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>±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

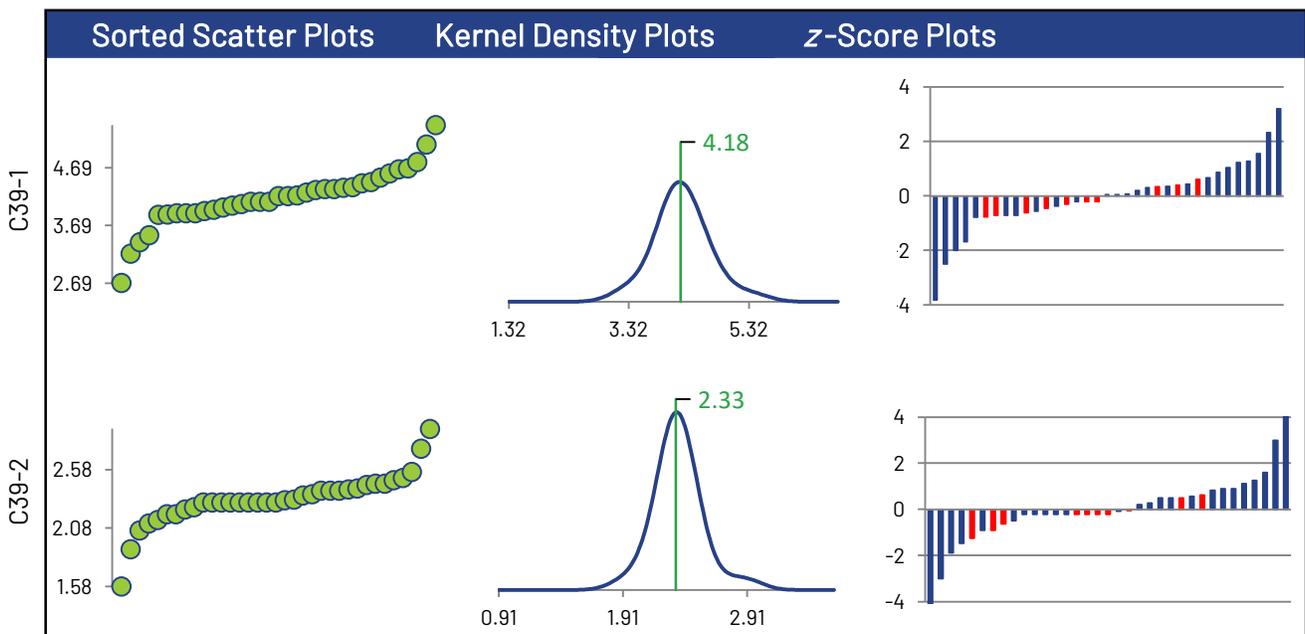
Summary Statistics

Statistic	C39-1	C39-2	C39-3	C39-4
No. of results used for summary statistics	35	35	0	0
Median mg/L	4.20	2.30		
Robust Mean mg/L	4.18	2.33		
Uncertainty of the Assigned Value mg/L	0.0824	0.0304		
Robust Standard Deviation mg/L	0.390	0.144		
Regression Standard Deviation mg/L				
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) mg/L	0.390	0.144		
Flagged Outliers	0	0	0	0
$ z > 3.0$	2	2	0	0
$2 < z < 3$	2	2	0	0
Failure Rate %*	8.3			

Methods Used

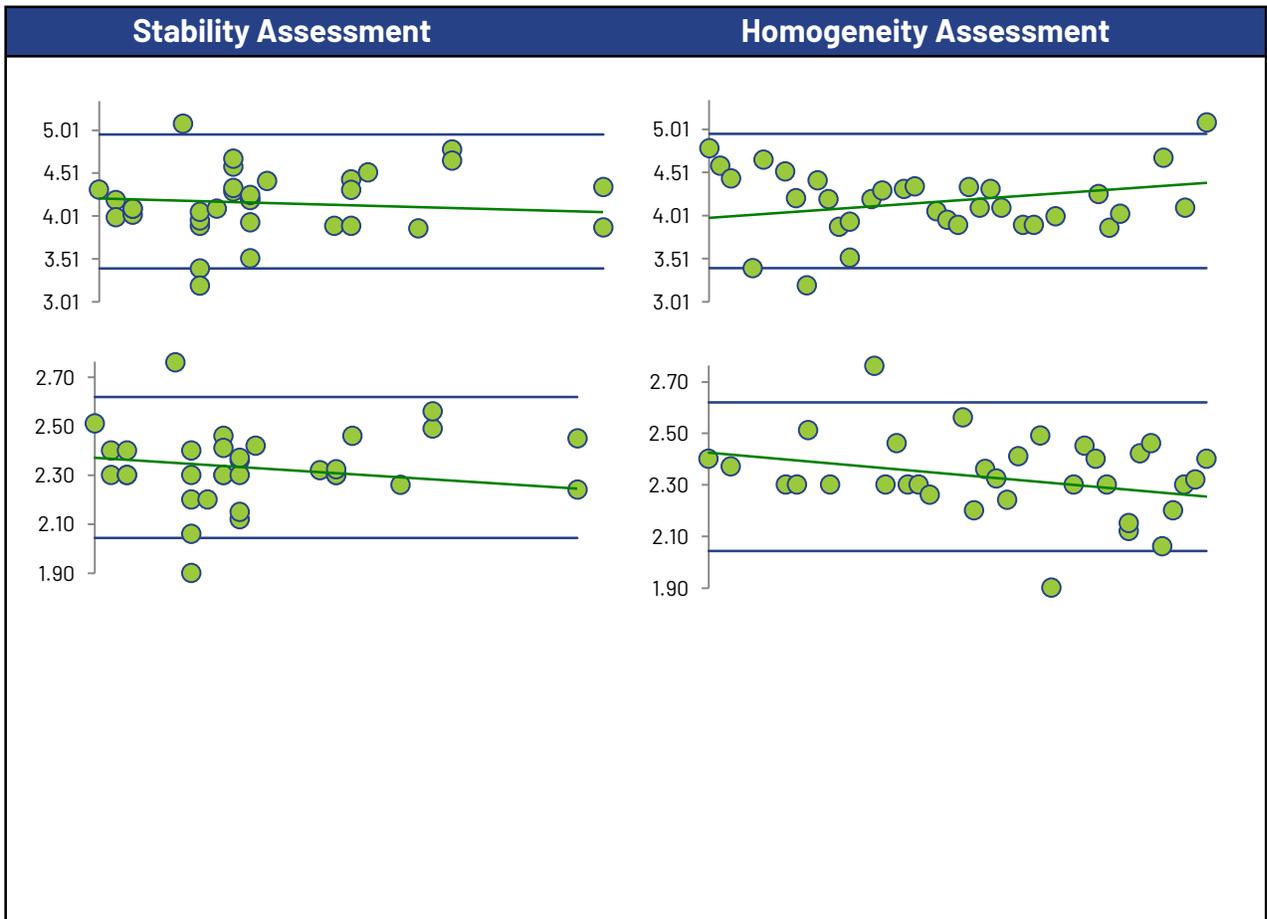
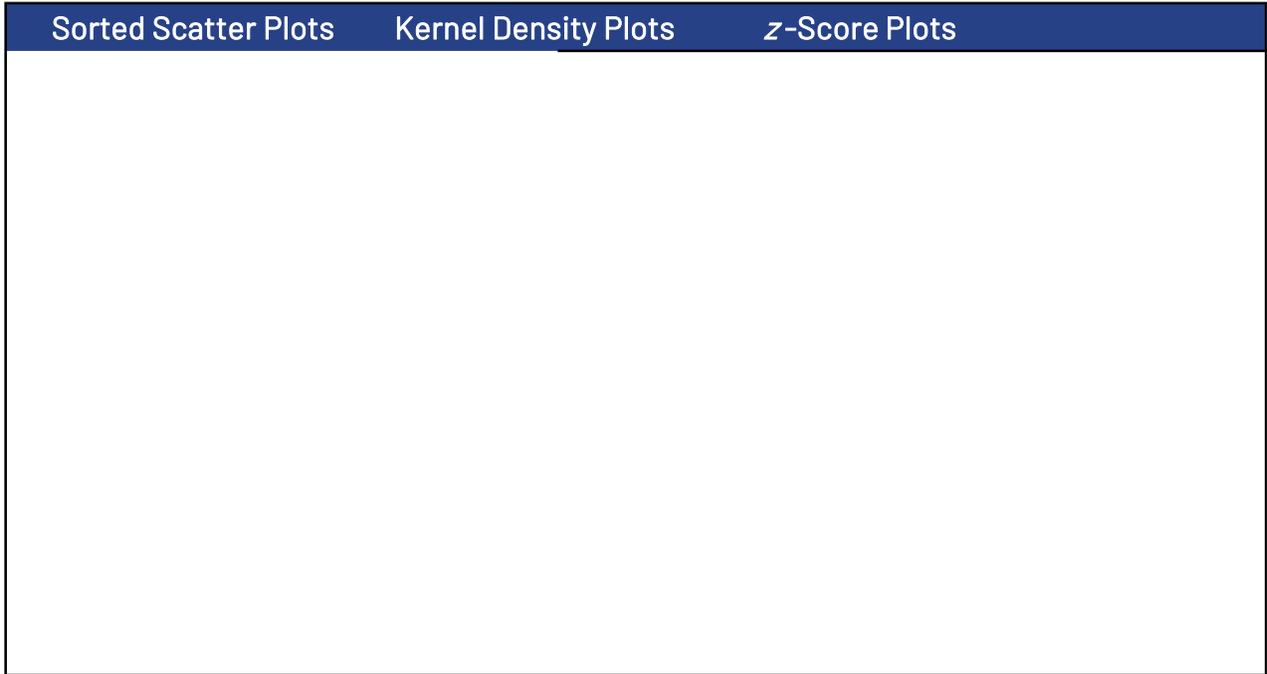
Method	C39-1	C39-2	C39-3	C39-4
ICP/MS (Blue)	25	25	0	0
ICP/OES (Red)	10	10	0	0

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



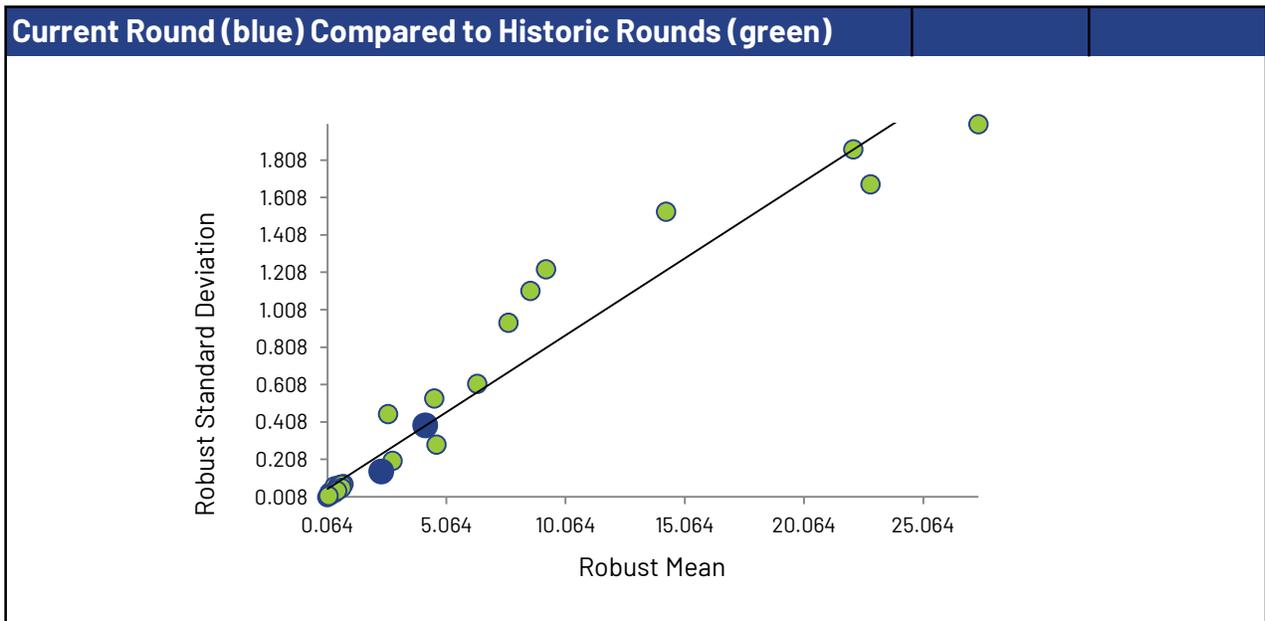
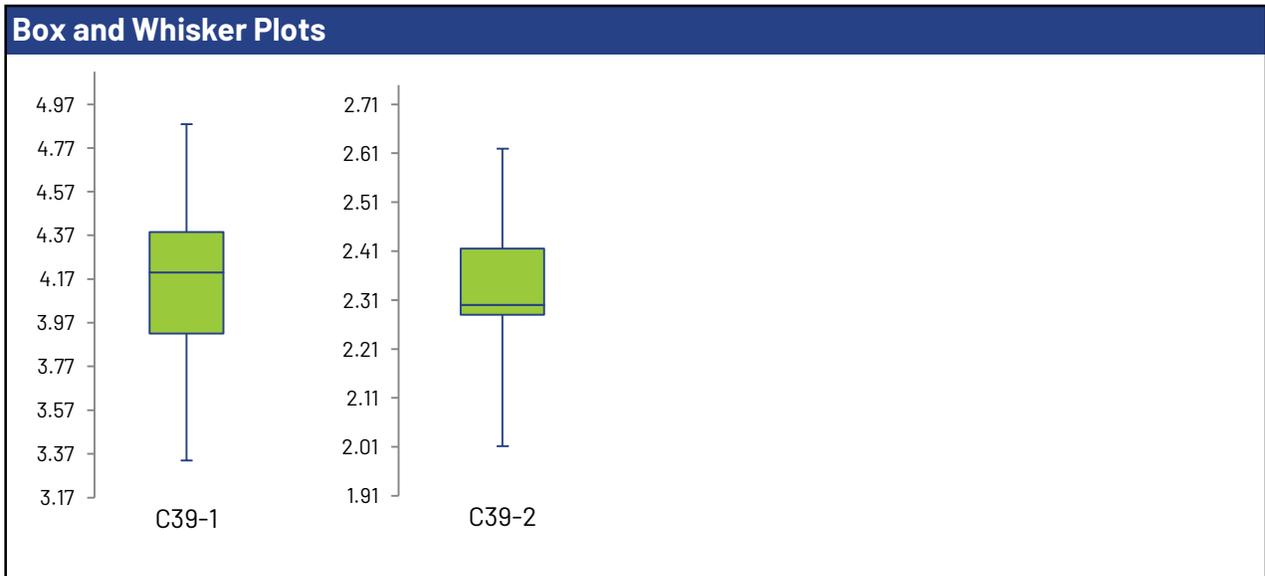
* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

Arsenic



Arsenic

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



Barium

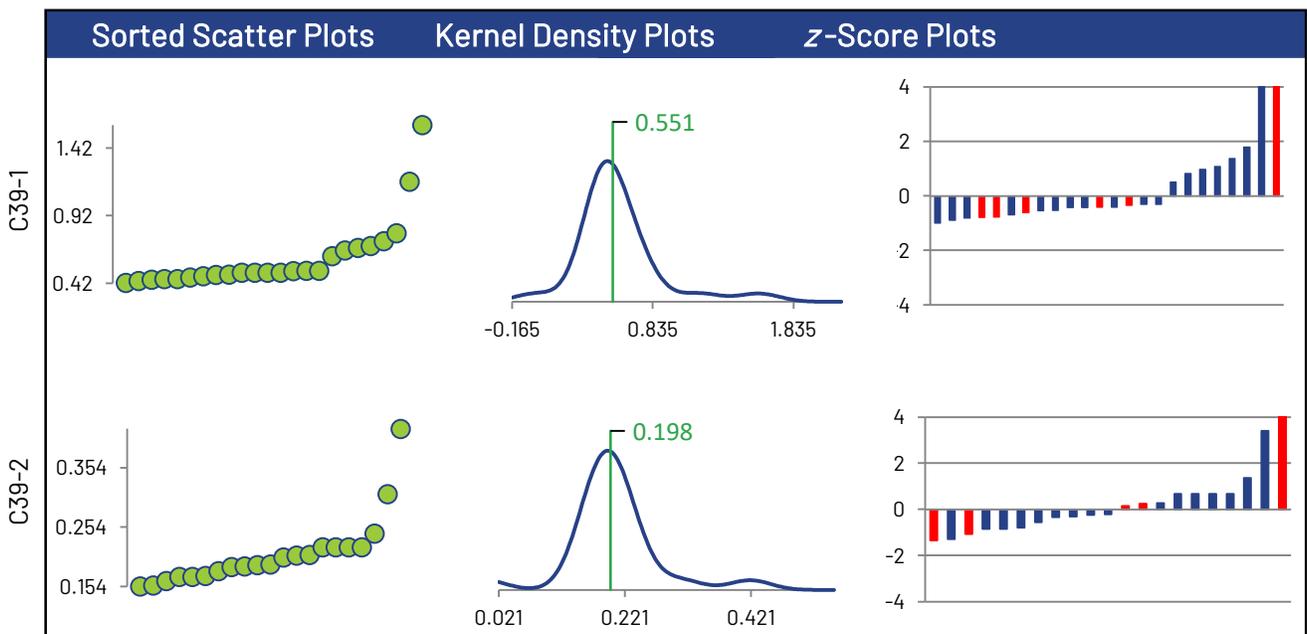
Summary Statistics

Statistic	C39-1	C39-2	C39-3	C39-4
No. of results used for summary statistics	24	21	0	0
Median mg/L	0.497	0.191		
Robust Mean mg/L	0.551	0.198		
Uncertainty of the Assigned Value mg/L	0.0334	0.00895		
Robust Standard Deviation mg/L	0.131	0.0328		
Regression Standard Deviation mg/L				
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) mg/L	0.131	0.0328		
Flagged Outliers	0	0	0	0
$ z > 3.0$	2	2	0	0
$2 < z < 3$	0	0	0	0
Failure Rate %*	0.0			

Methods Used

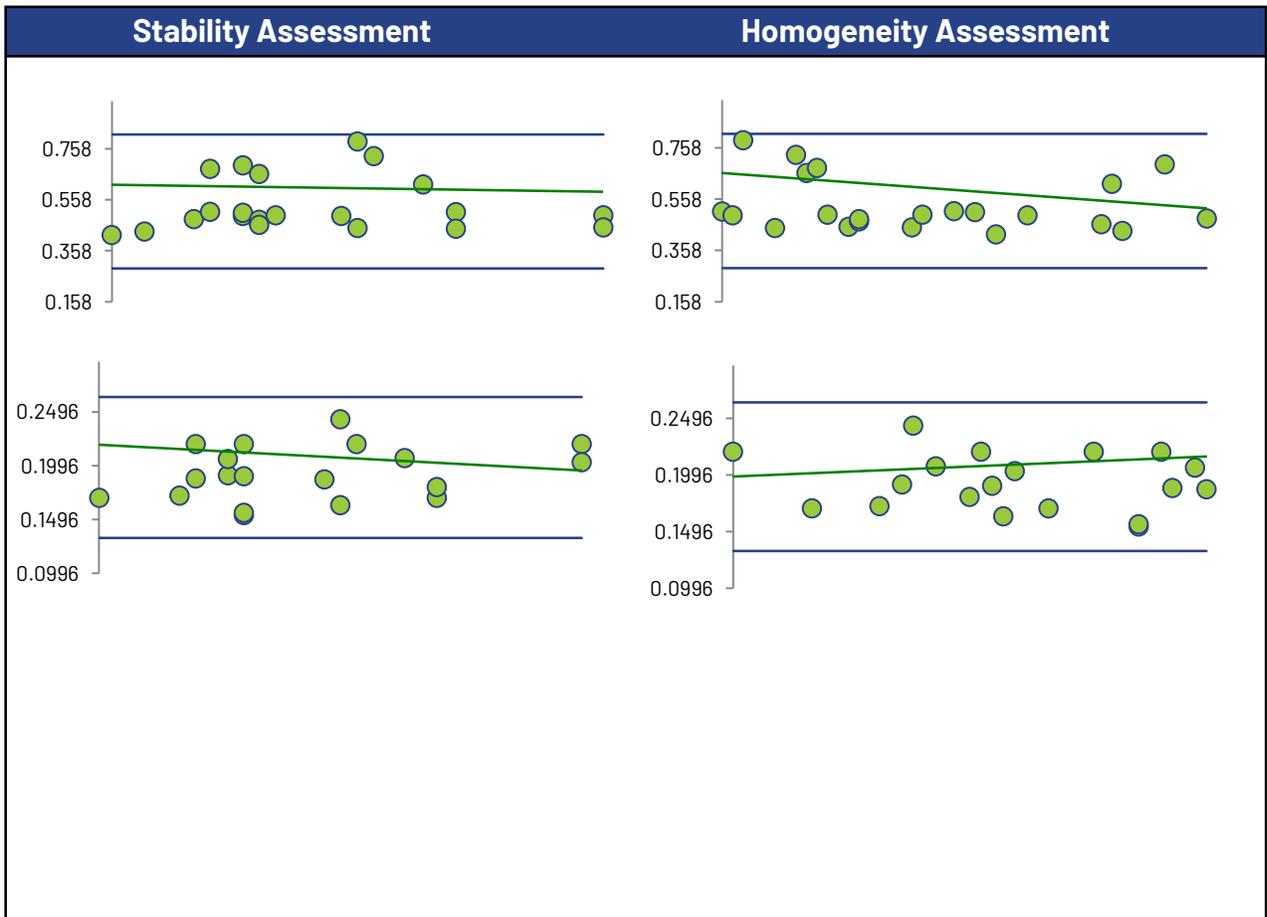
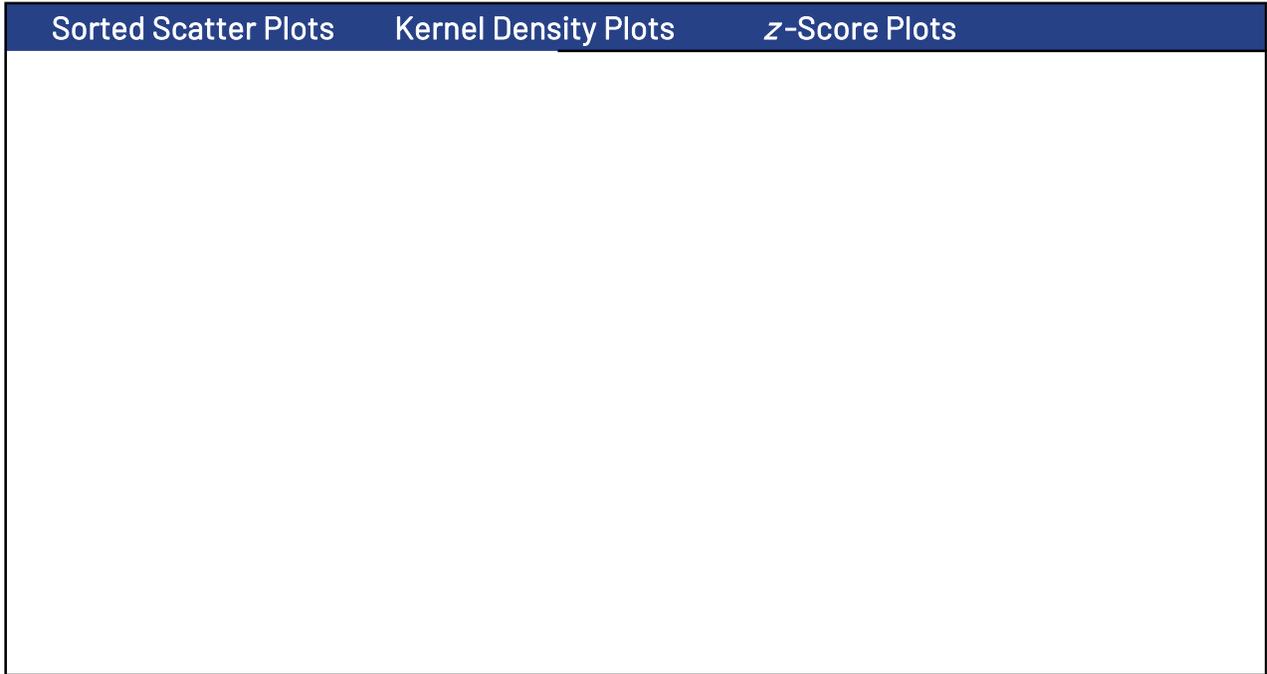
Method	C39-1	C39-2	C39-3	C39-4
ICP/MS (Blue)	18	16	0	0
ICP/OES (Red)	6	5	0	0

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

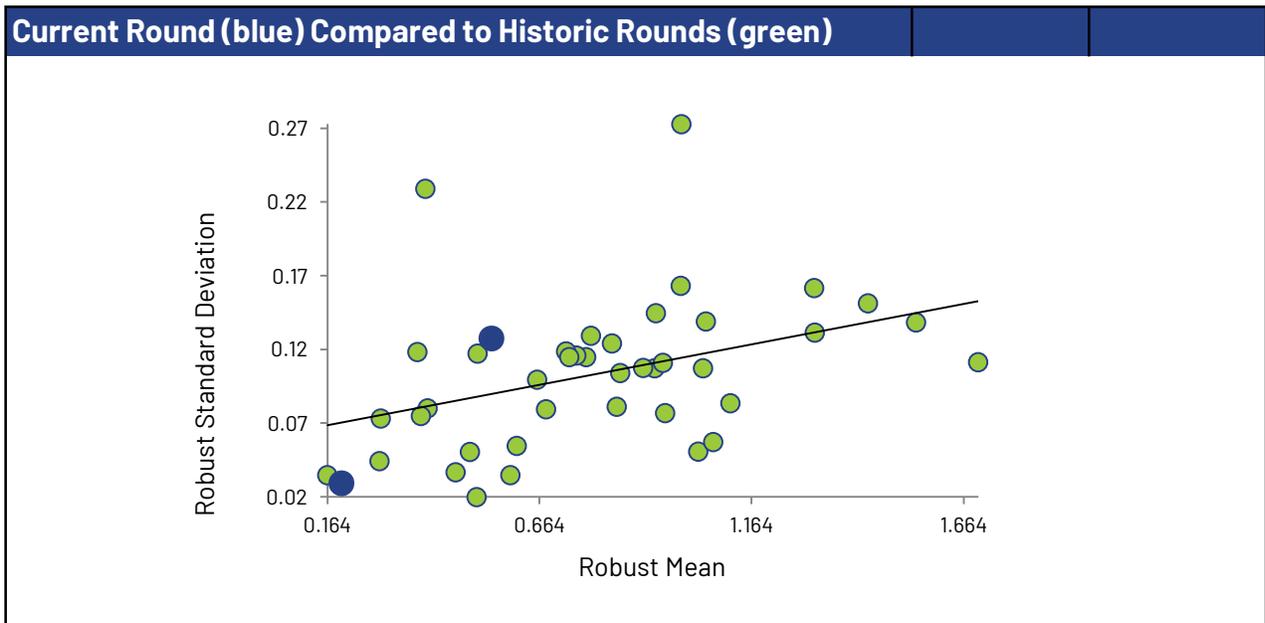
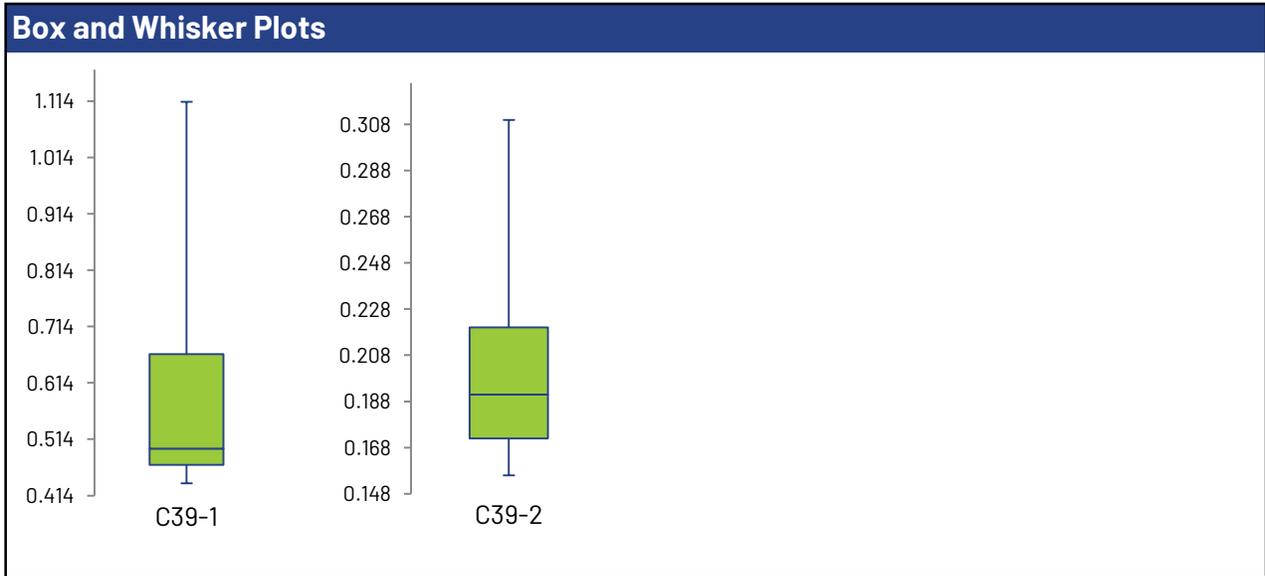
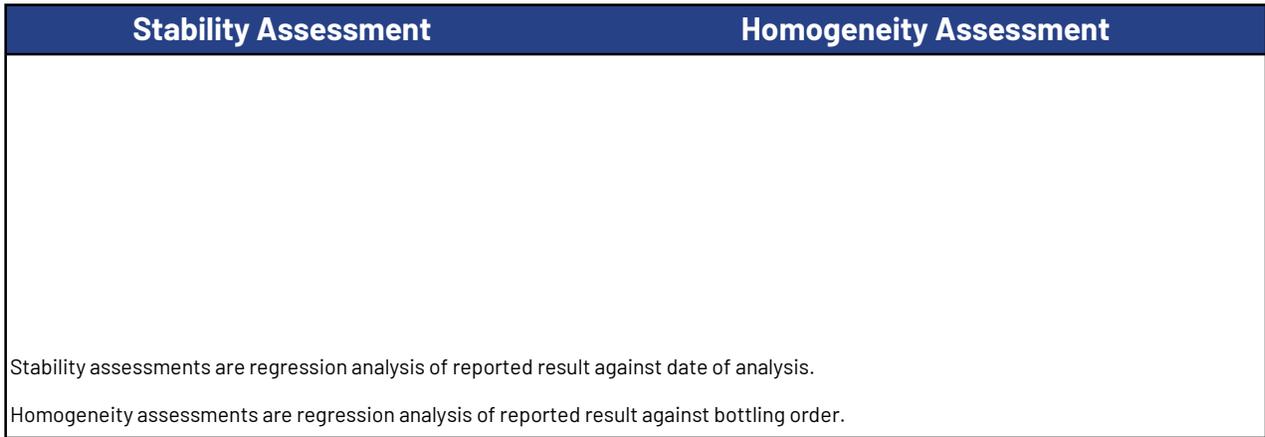


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

Barium



Barium



Boron

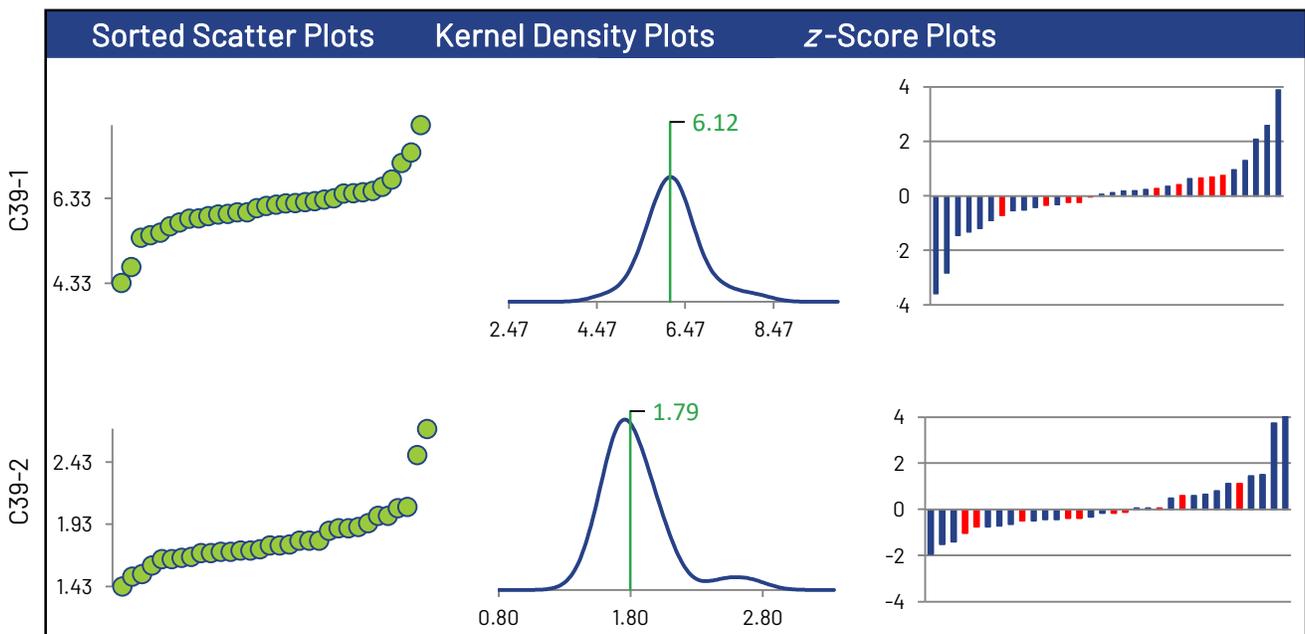
Summary Statistics

Statistic	C39-1	C39-2	C39-3	C39-4
No. of results used for summary statistics	32	32	0	0
Median mg/L	6.17	1.76		
Robust Mean mg/L	6.12	1.79		
Uncertainty of the Assigned Value mg/L	0.110	0.0413		
Robust Standard Deviation mg/L	0.498	0.187		
Regression Standard Deviation mg/L				
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) mg/L	0.498	0.187		
Flagged Outliers	0	0	0	0
$ z > 3.0$	2	2	0	0
$2 < z < 3$	3	0	0	0
Failure Rate %*	9.1			

Methods Used

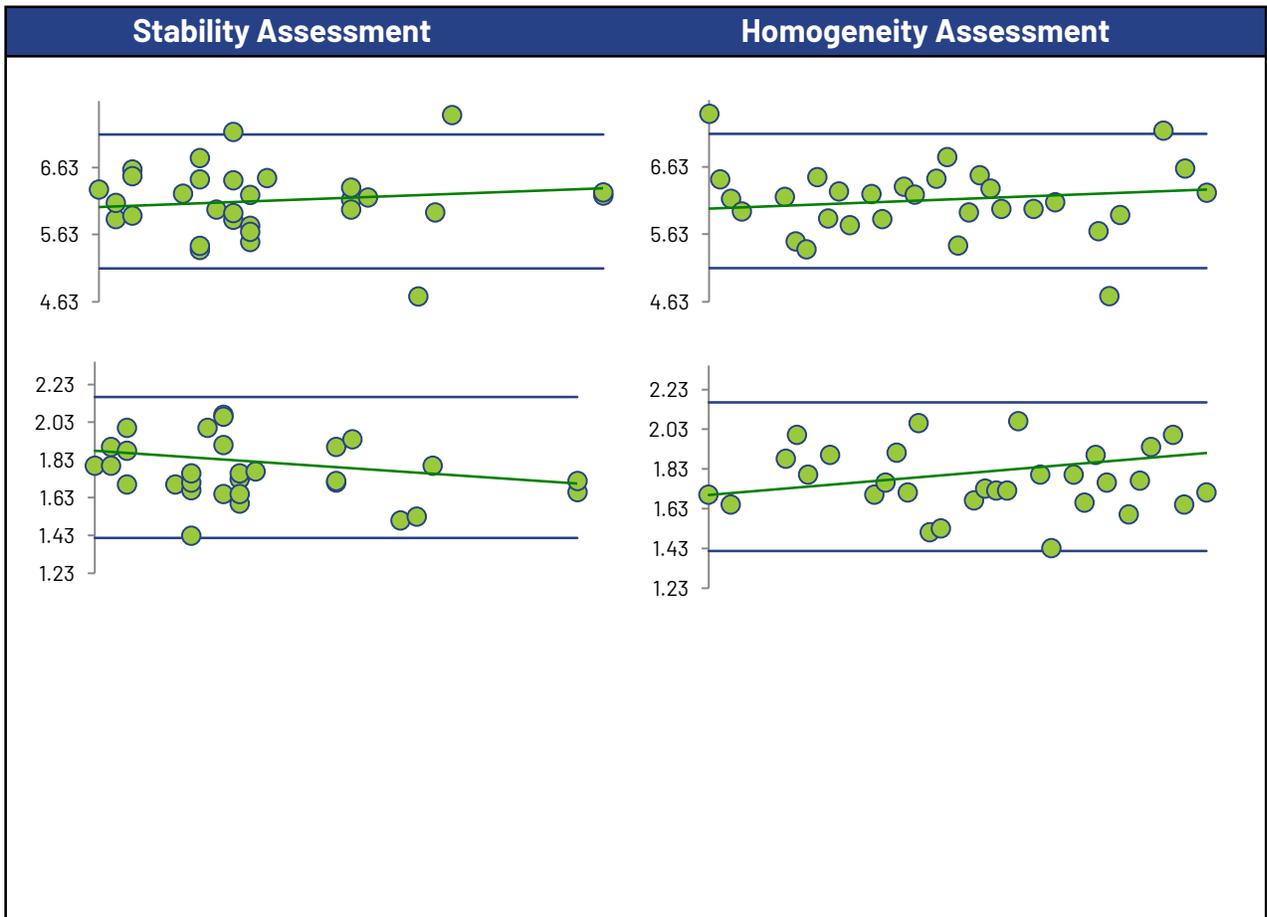
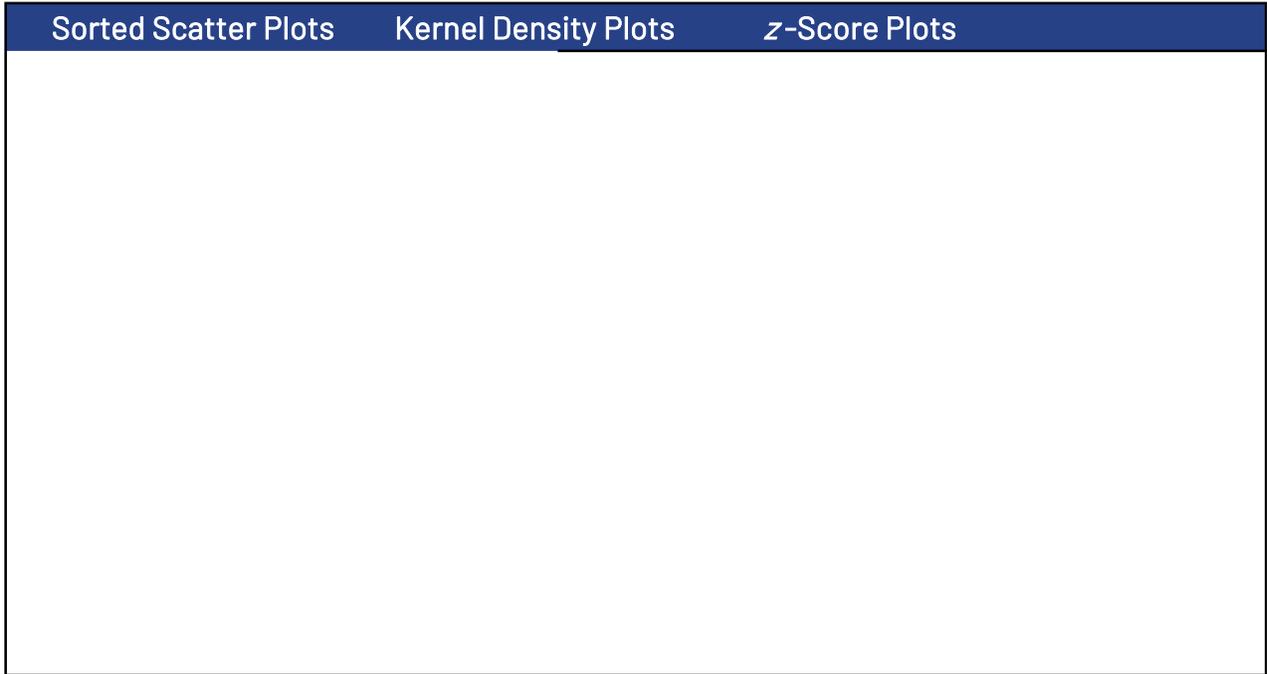
Method	C39-1	C39-2	C39-3	C39-4
ICP/MS (Blue)	22	22	0	0
ICP/OES (Red)	10	10	0	0

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

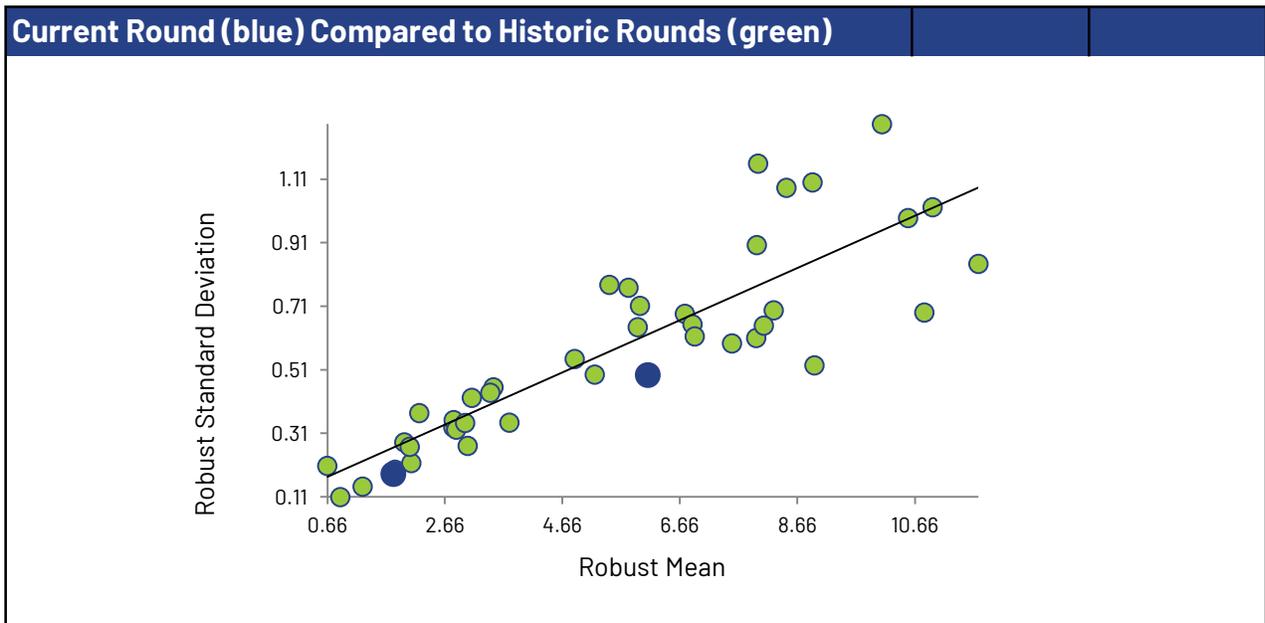
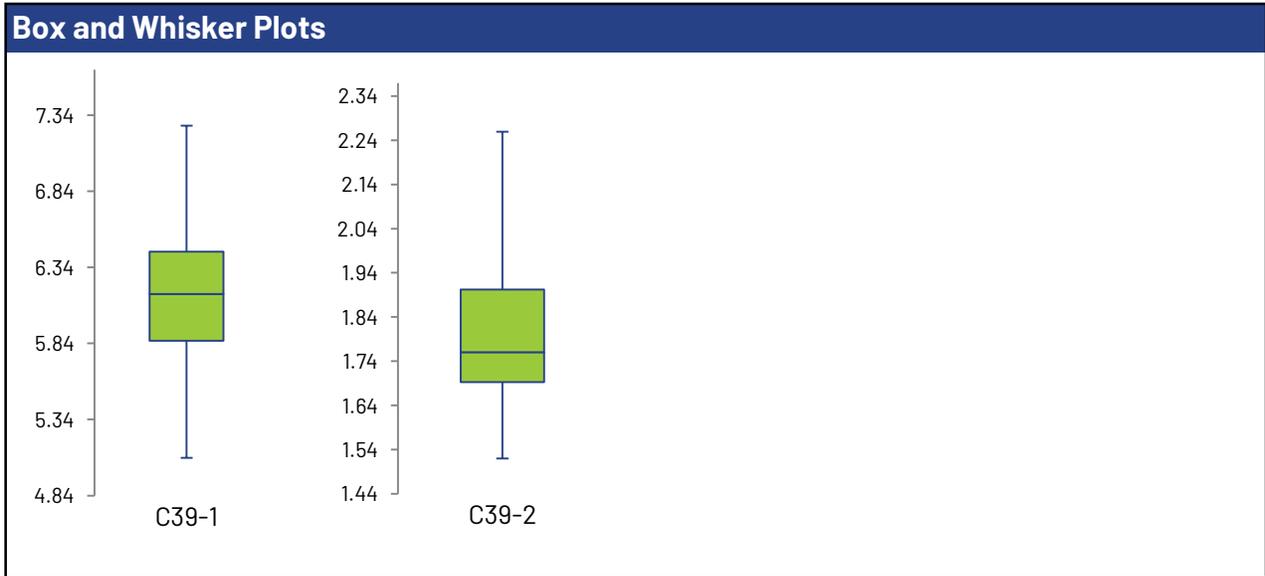
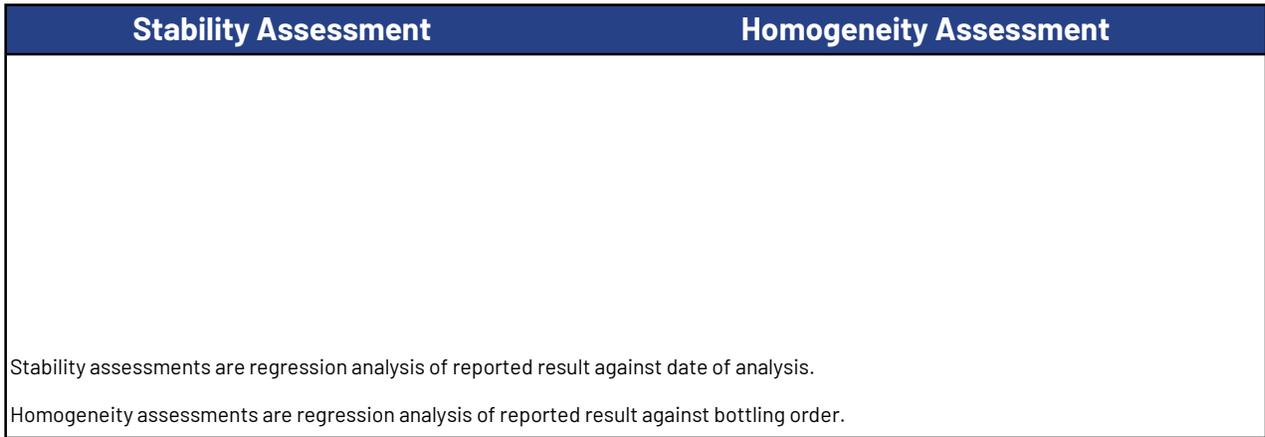


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Boron



Boron



Cadmium

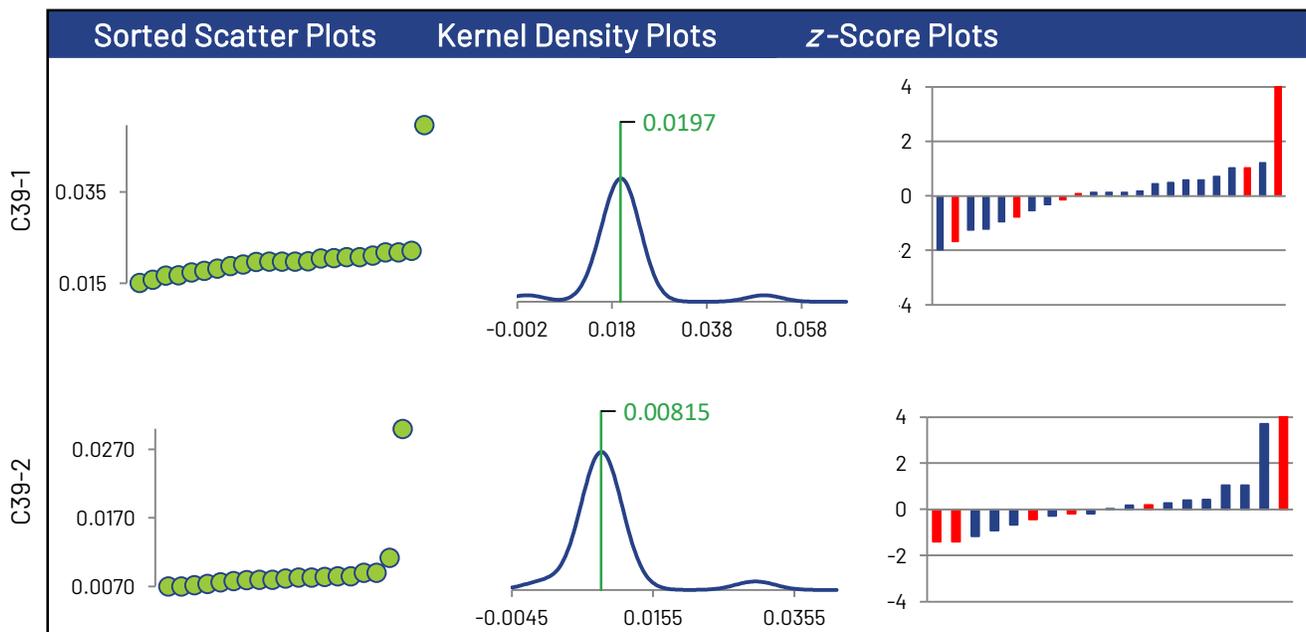
Summary Statistics

Statistic	C39-1	C39-2	C39-3	C39-4
No. of results used for summary statistics	23	19	0	0
Median mg/L	0.0200	0.00817		
Robust Mean mg/L	0.0197	0.00815		
Uncertainty of the Assigned Value mg/L	0.000579	0.000235		
Robust Standard Deviation mg/L	0.00222	0.000821		
Regression Standard Deviation mg/L				
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) mg/L	0.00222	0.000821		
Flagged Outliers	0	0	0	0
$ z > 3.0$	1	2	0	0
$2 < z < 3$	0	0	0	0
Failure Rate %*	0.0			

Methods Used

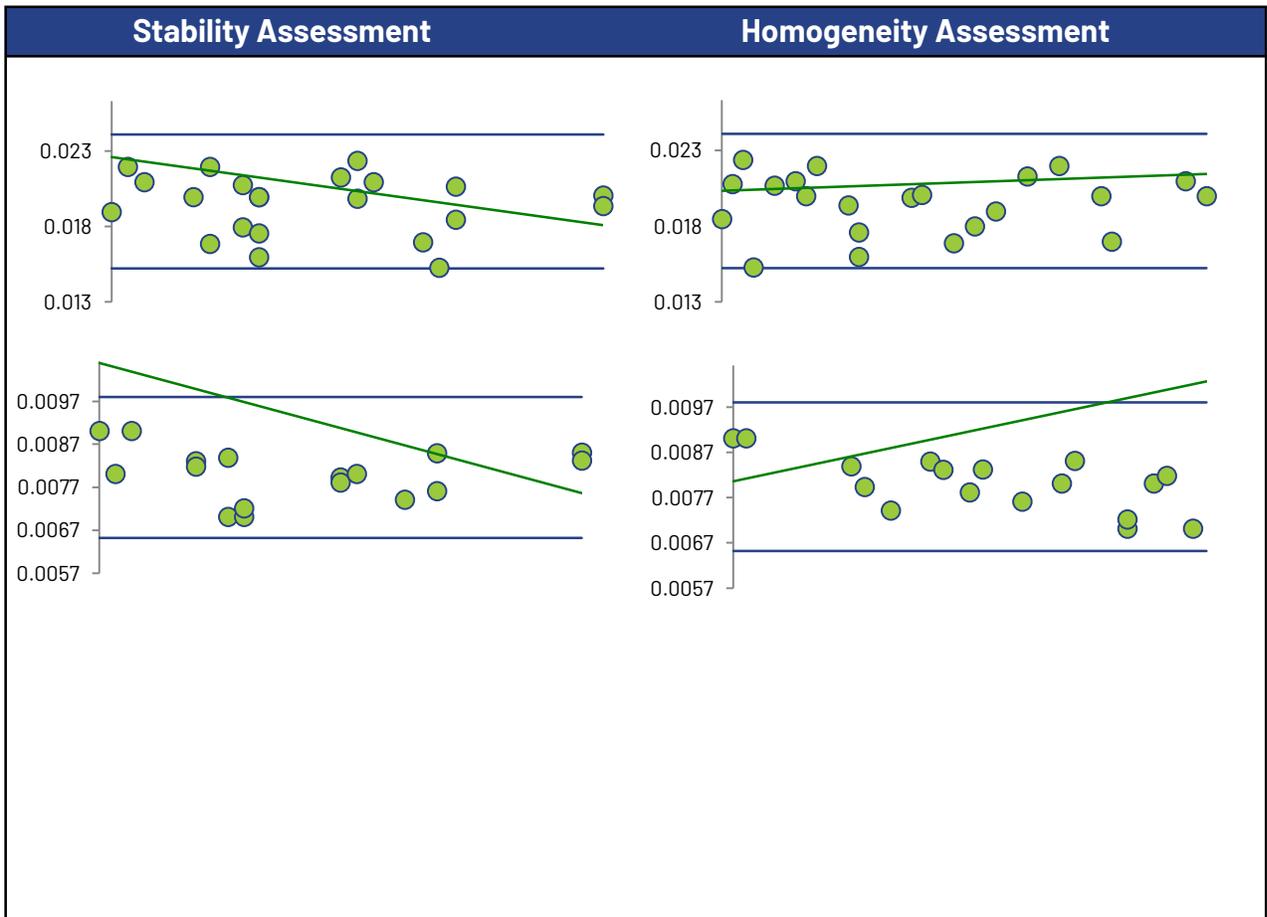
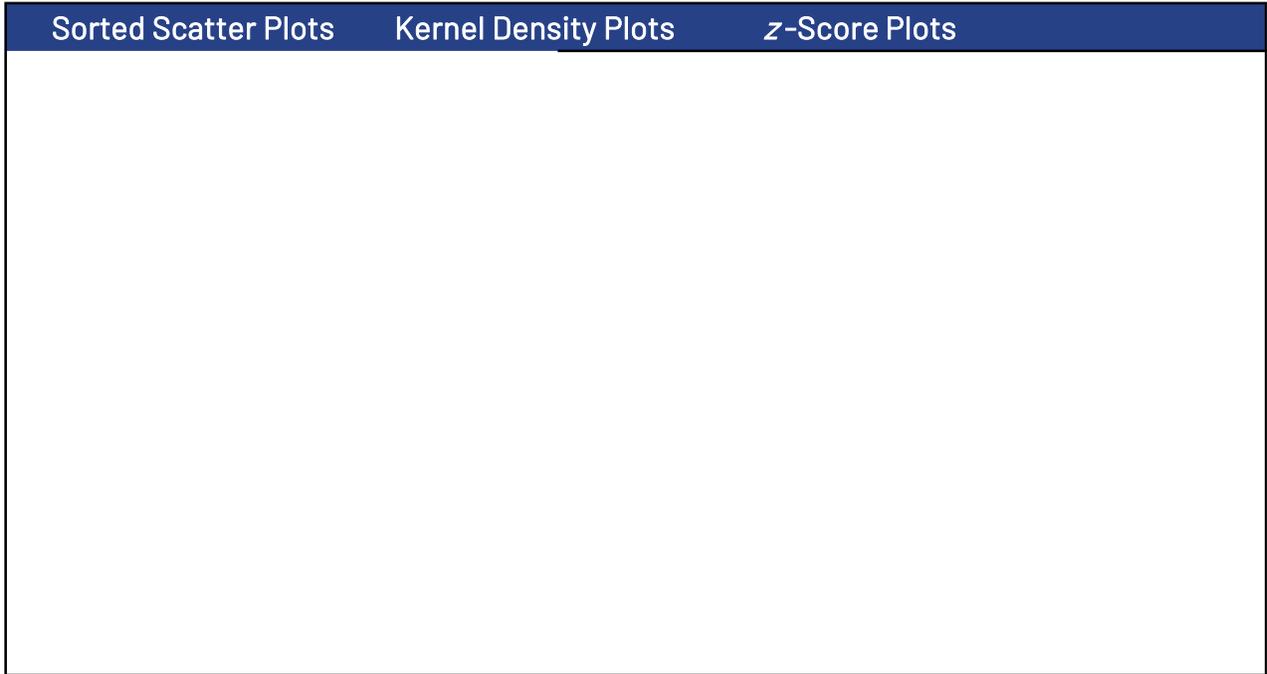
Method	C39-1	C39-2	C39-3	C39-4
ICP/MS (Blue)	17	13	0	0
ICP/OES (Red)	6	6	0	0

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

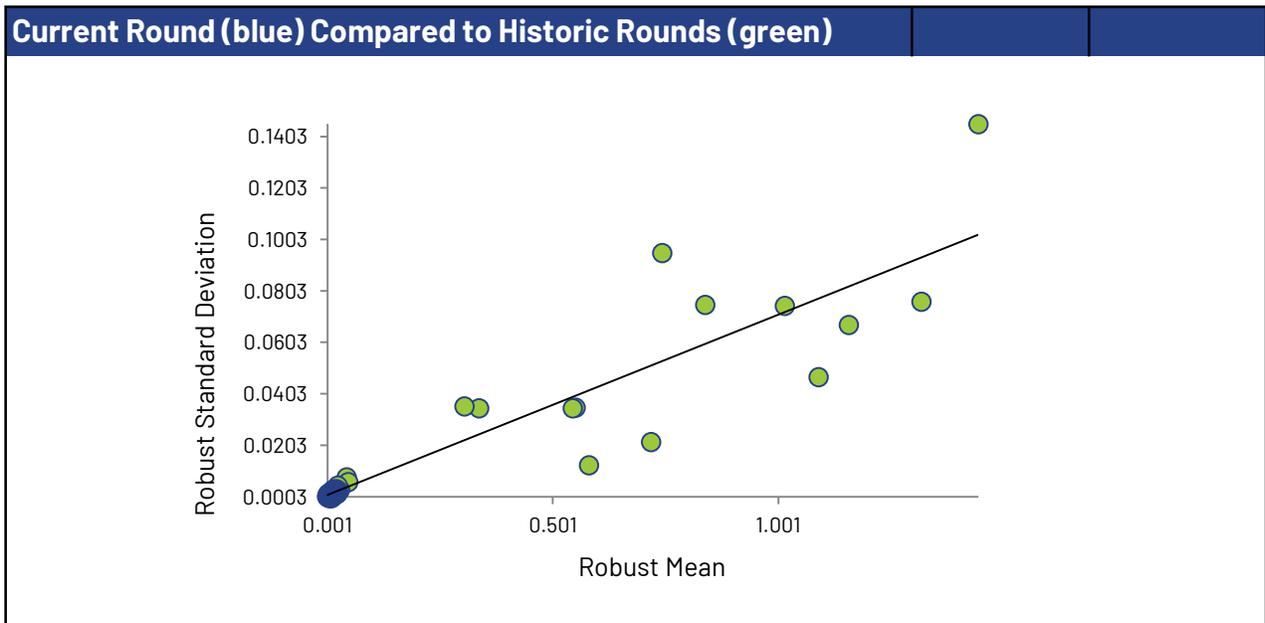
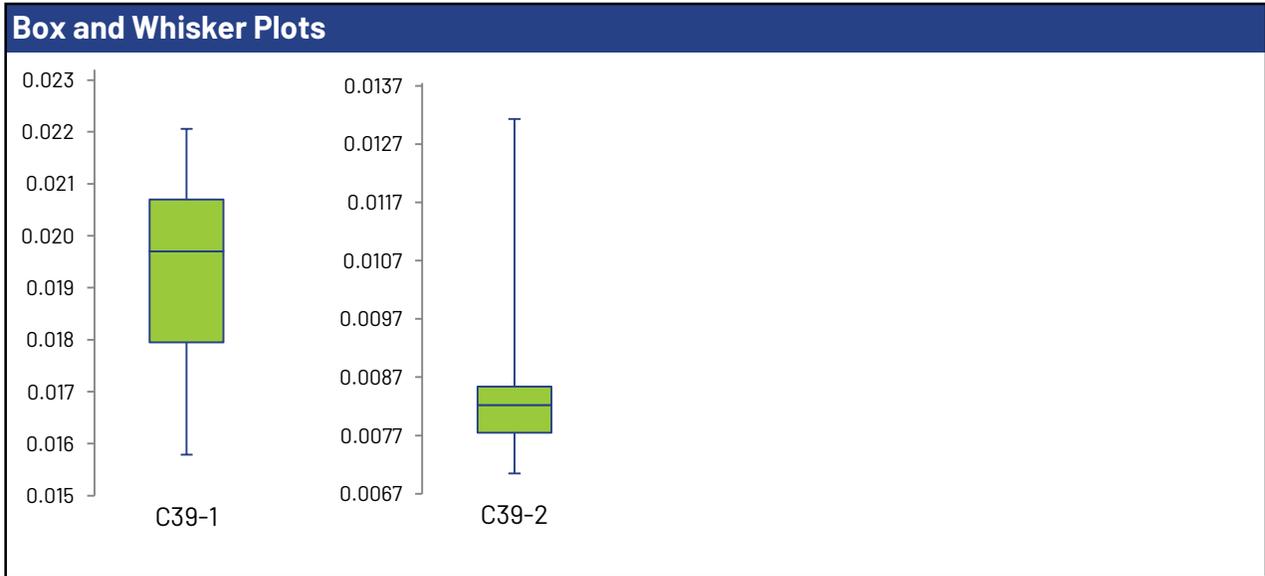
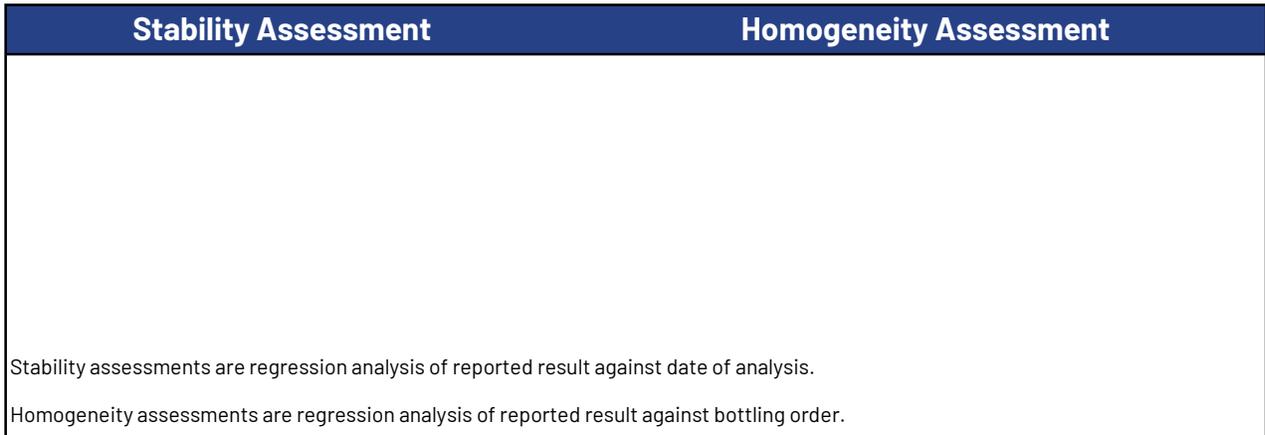


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

Cadmium



Cadmium



Chromium

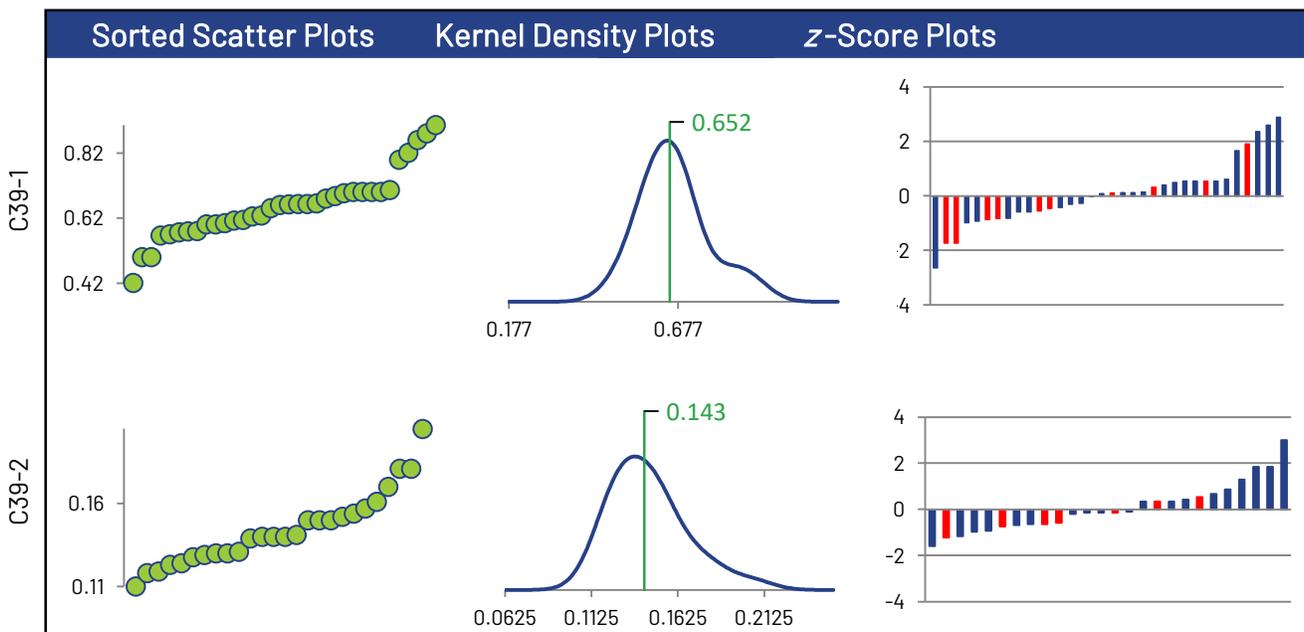
Summary Statistics

Statistic	C39-1	C39-2	C39-3	C39-4
No. of results used for summary statistics	34	26	0	0
Median mg/L	0.661	0.140		
Robust Mean mg/L	0.652	0.143		
Uncertainty of the Assigned Value mg/L	0.0188	0.00507		
Robust Standard Deviation mg/L	0.0878	0.0207		
Regression Standard Deviation mg/L				
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) mg/L	0.0878	0.0207		
Flagged Outliers	0	0	0	0
$ z > 3.0$	0	0	0	0
$2 < z < 3$	4	1	0	0
Failure Rate %*	8.3			

Methods Used

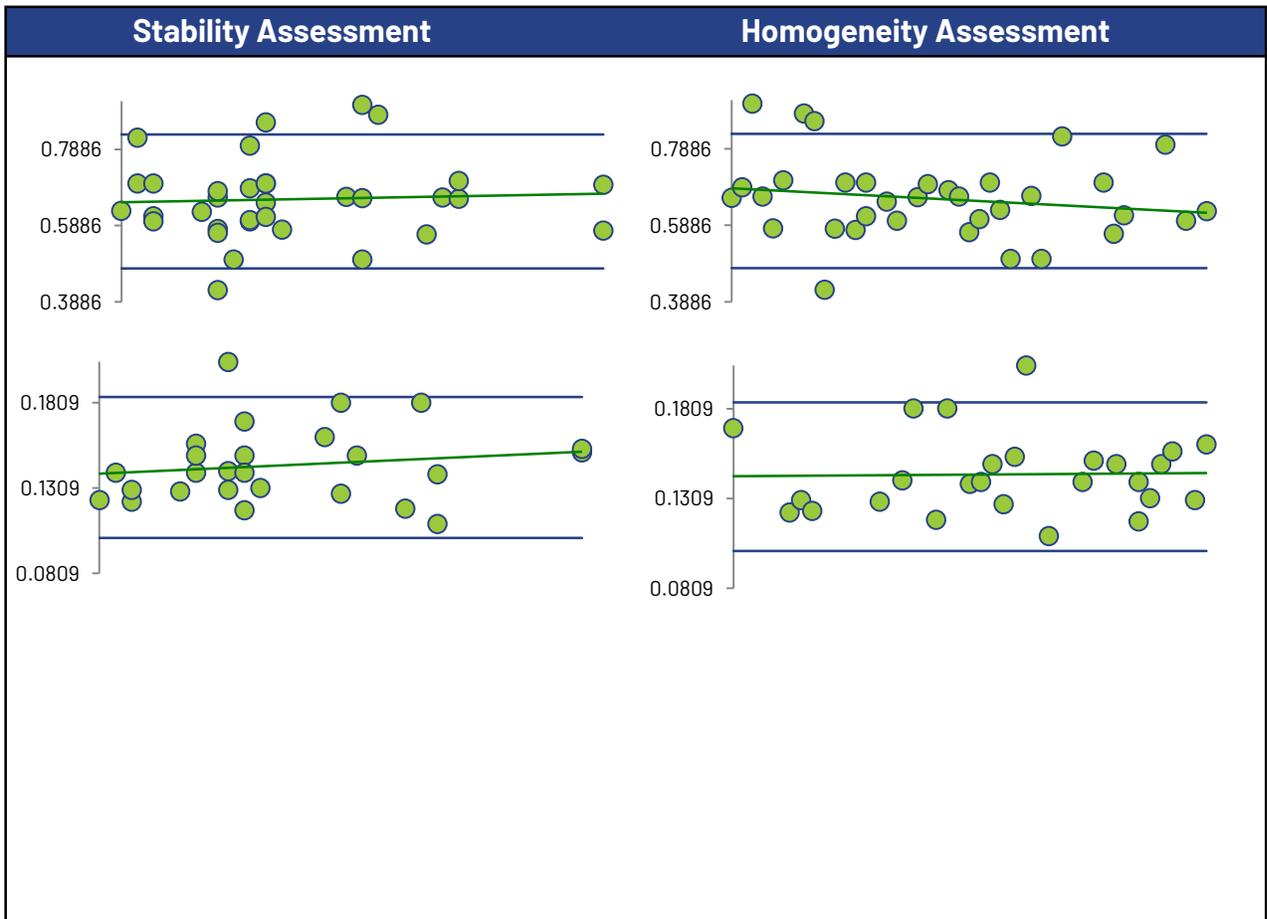
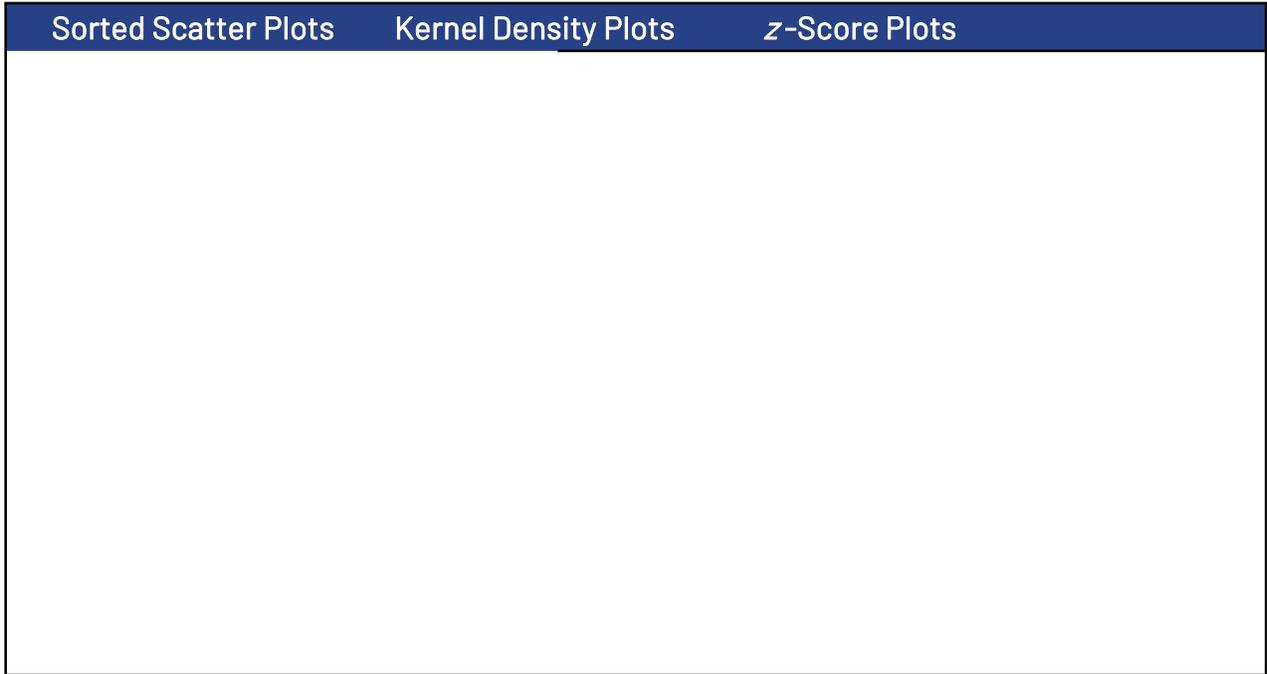
Method	C39-1	C39-2	C39-3	C39-4
ICP/MS (Blue)	24	19	0	0
ICP/OES (Red)	10	7	0	0

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



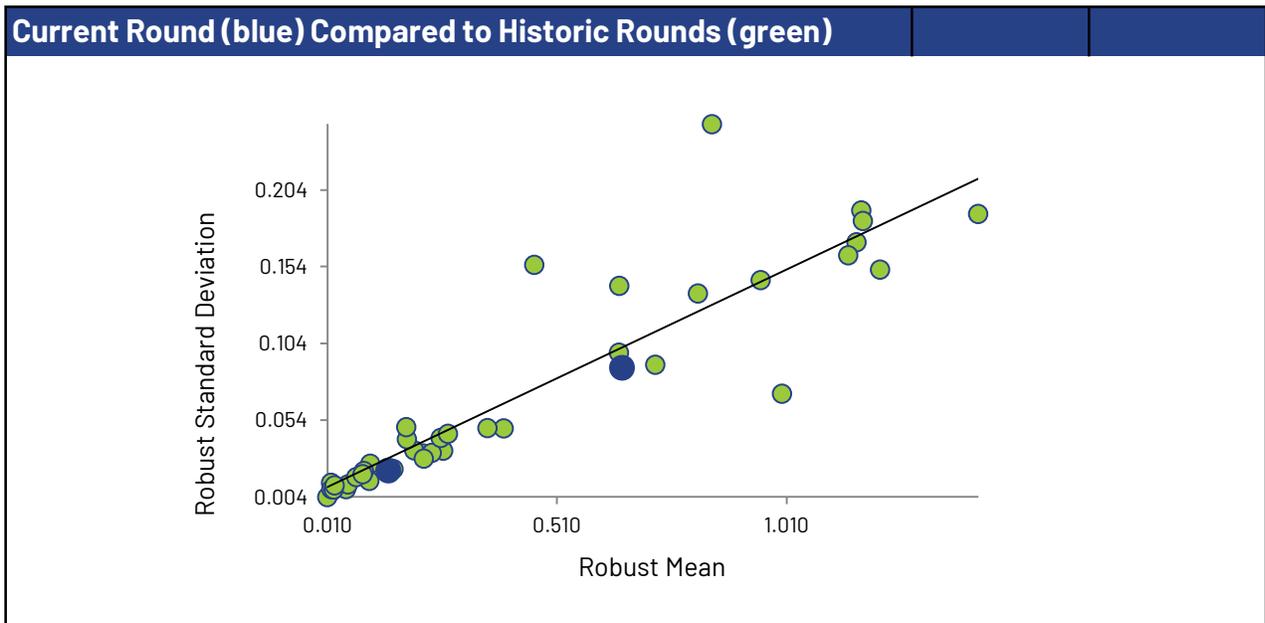
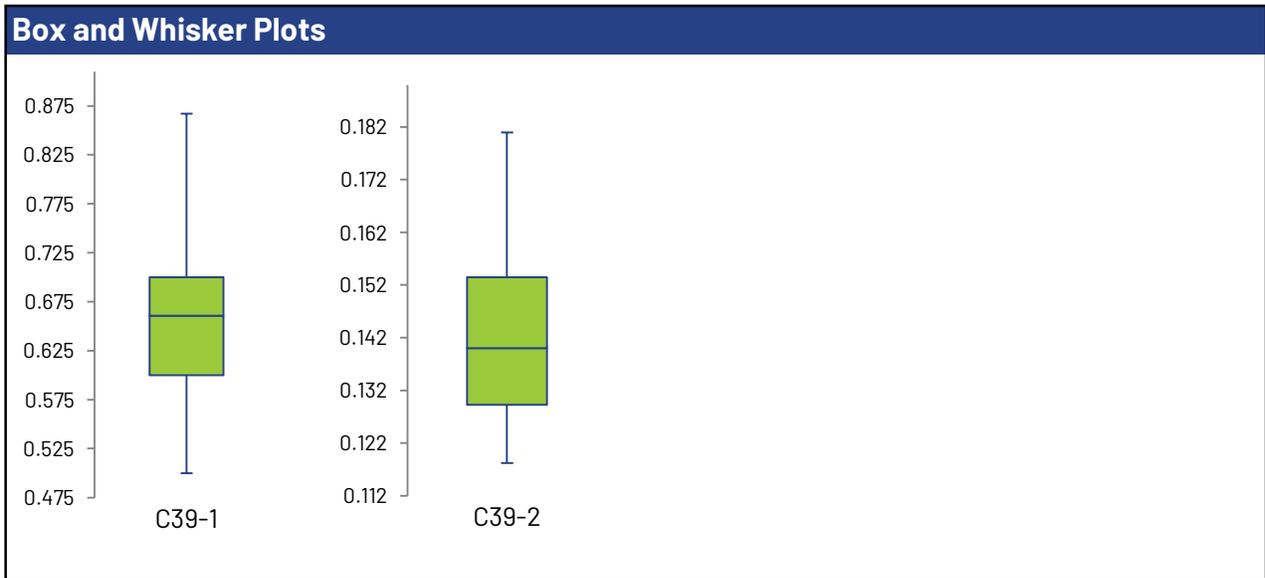
* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

Chromium



Chromium

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



Cyanide (WAD)

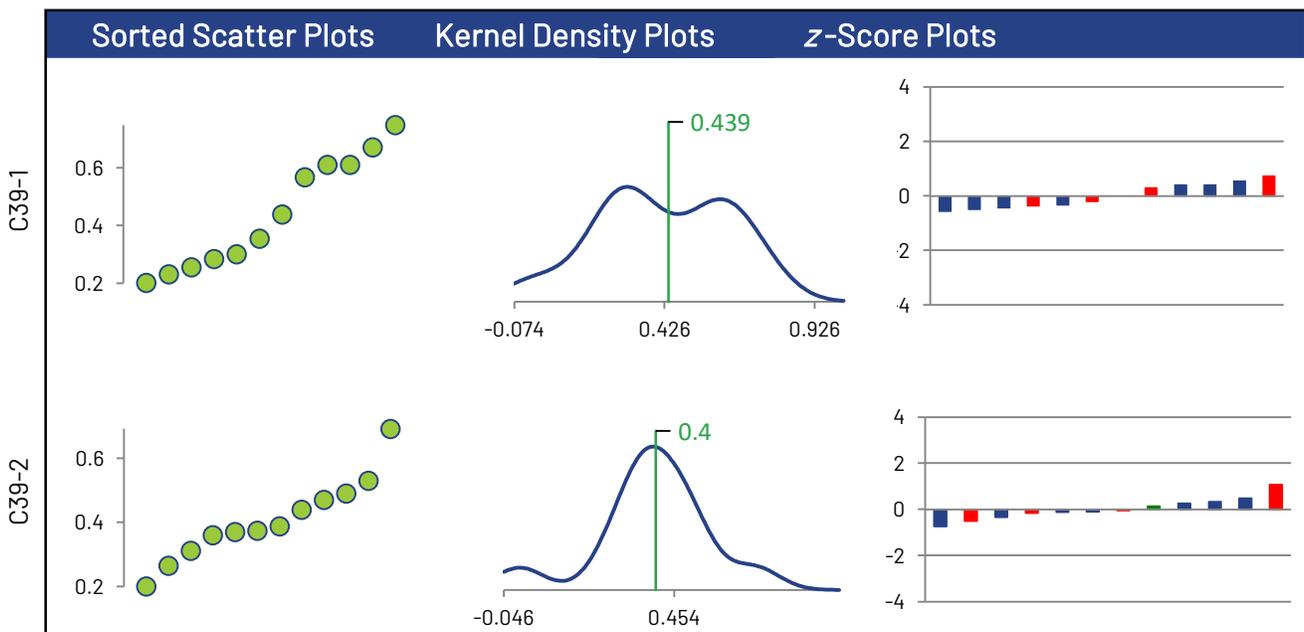
Summary Statistics

Statistic	C39-1	C39-2	C39-3	C39-4
No. of results used for summary statistics	12	12	0	0
Median mg/L	0.396	0.381		
Robust Mean mg/L	0.439	0.400		
Uncertainty of the Assigned Value mg/L	0.0790	0.0444		
Robust Standard Deviation mg/L	0.219	0.123		
Regression Standard Deviation mg/L				
Stability Flag	Stability	Stability		
Homogeneity Flag				
Standard Deviation Used (SDPA) mg/L	0.423	0.270		
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

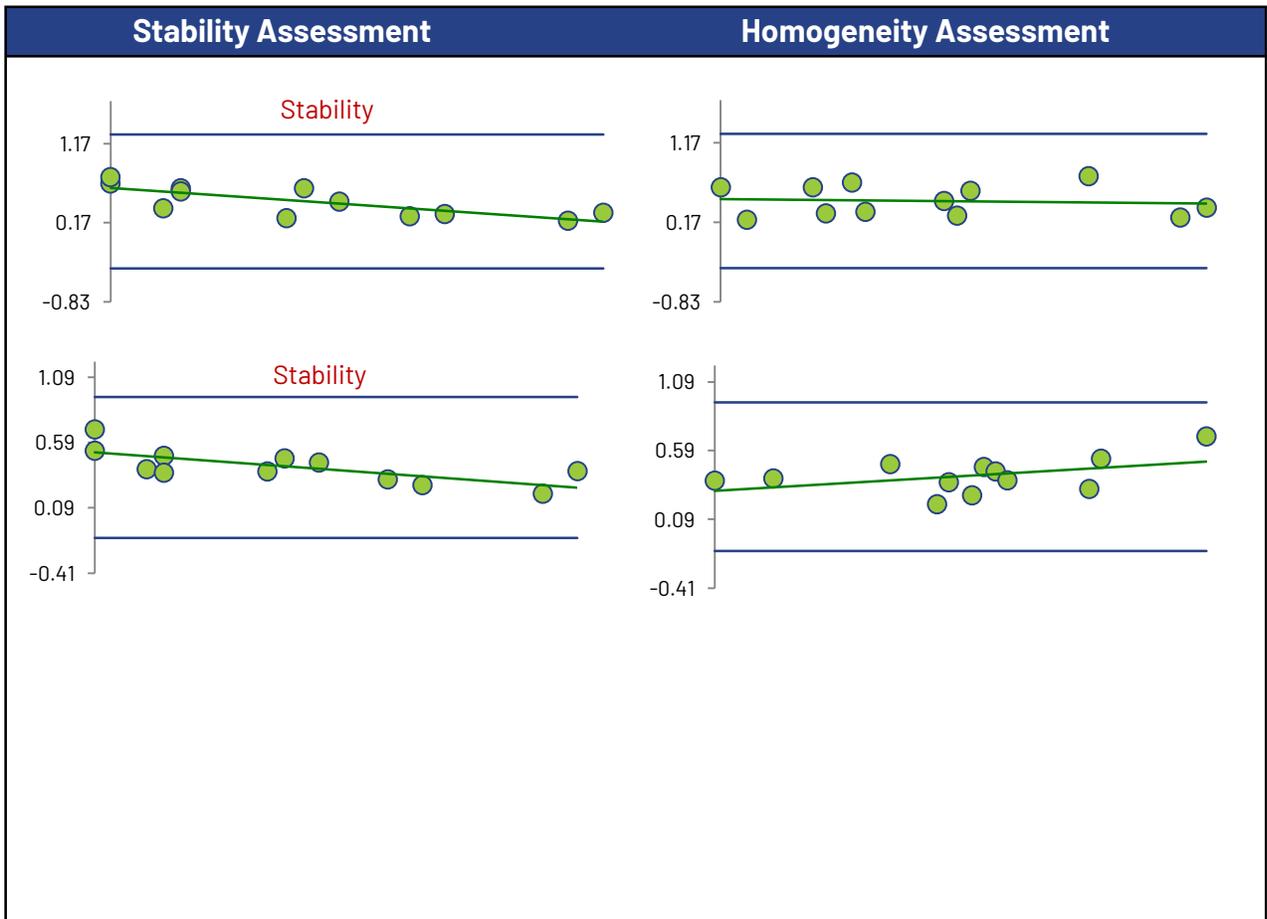
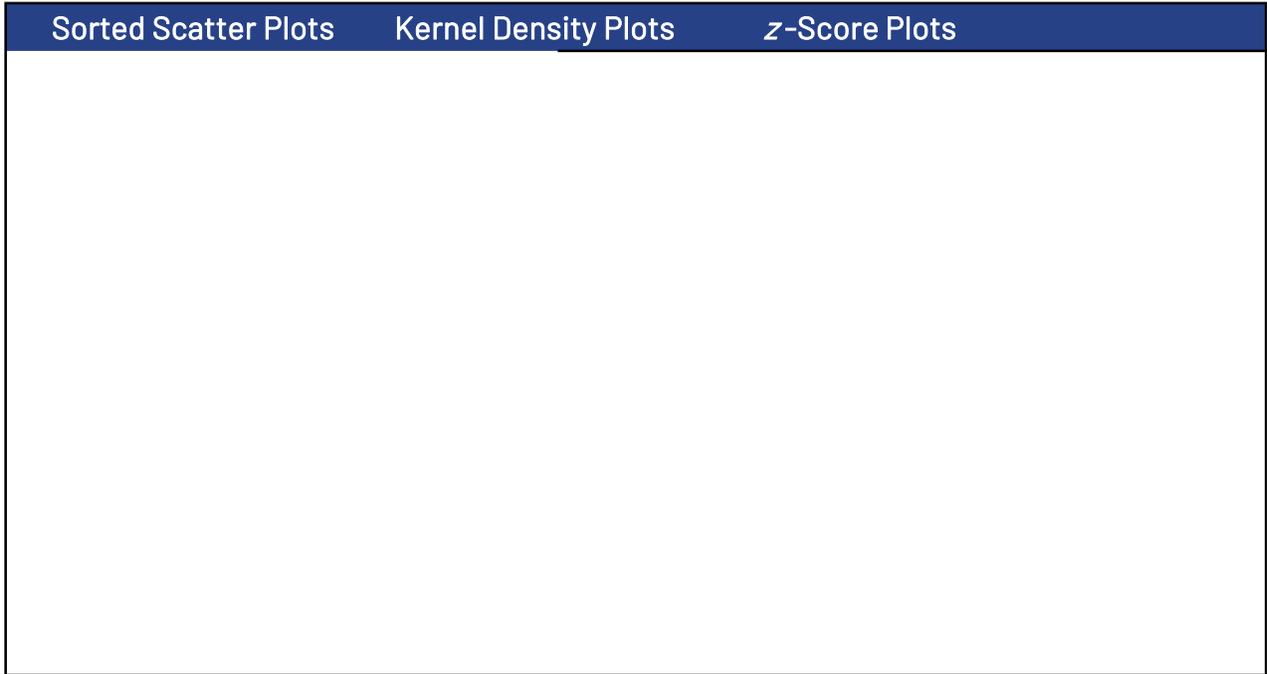
Method	C39-1	C39-2	C39-3	C39-4
AUTO COLOR (Blue)	7	7	0	0
COLORIMETRIC (Red)	4	4	0	0
SELECTIVE ION ELECTRODE (Green)	1	1	0	0

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.

Cyanide (WAD)



Fluoride

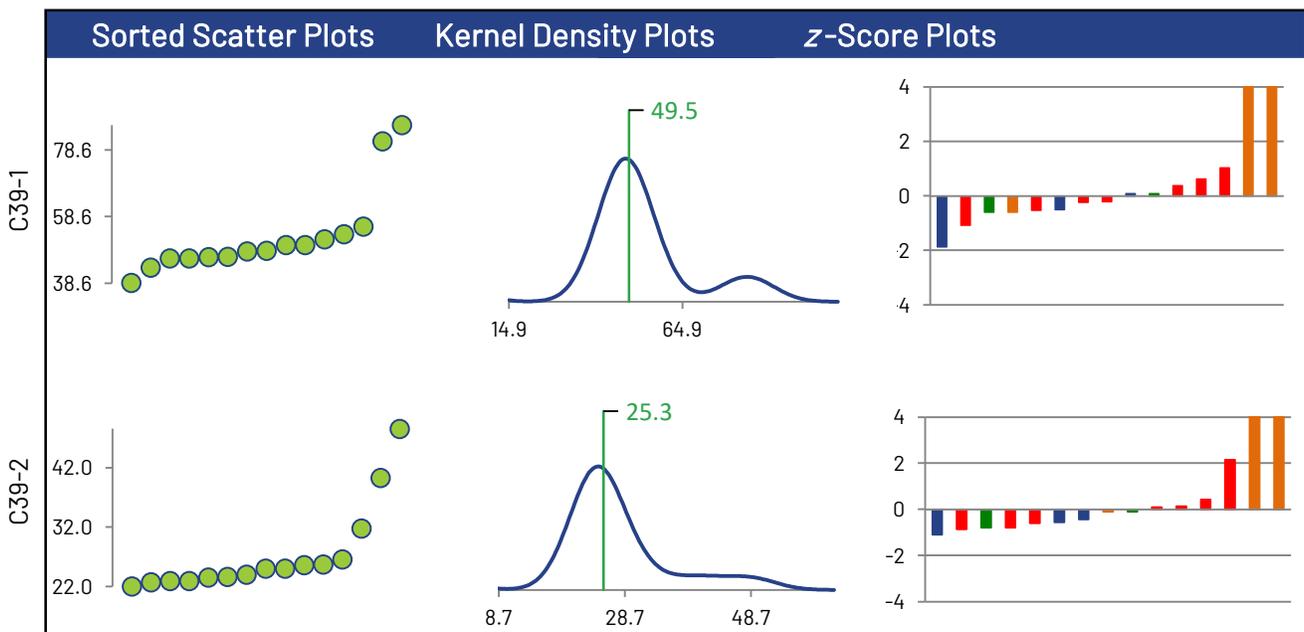
Summary Statistics

Statistic	C39-1	C39-2	C39-3	C39-4
No. of results used for summary statistics	15	15	0	0
Median mg/L	48.3	25.0		
Robust Mean mg/L	49.5	25.3		
Uncertainty of the Assigned Value mg/L	1.88	0.978		
Robust Standard Deviation mg/L	5.83	3.03		
Regression Standard Deviation mg/L				
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) mg/L	5.83	3.03		
Flagged Outliers	0	0	0	0
$ z > 3.0$	2	2	0	0
$2 < z < 3$	0	1	0	0
Failure Rate %*	13.3			

Methods Used

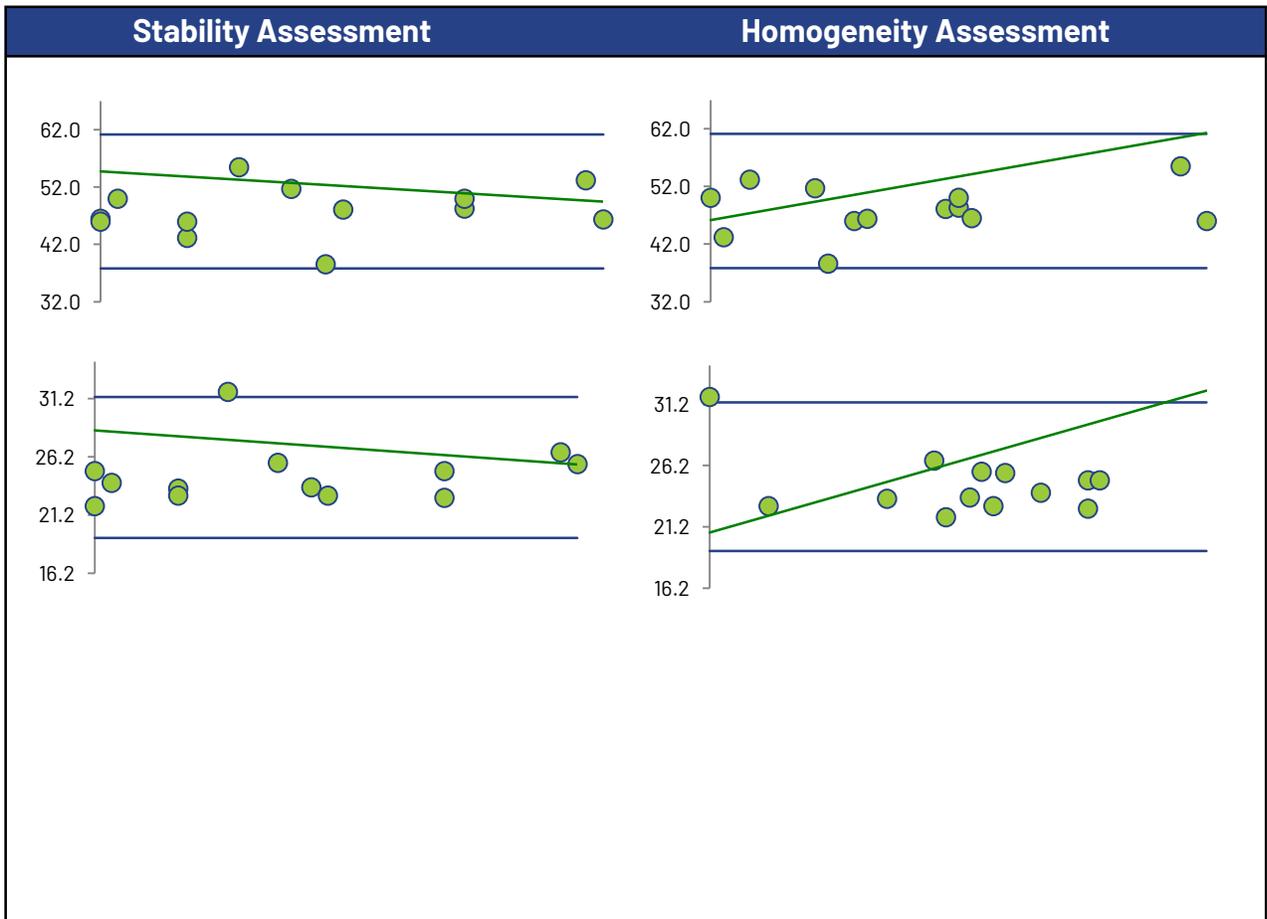
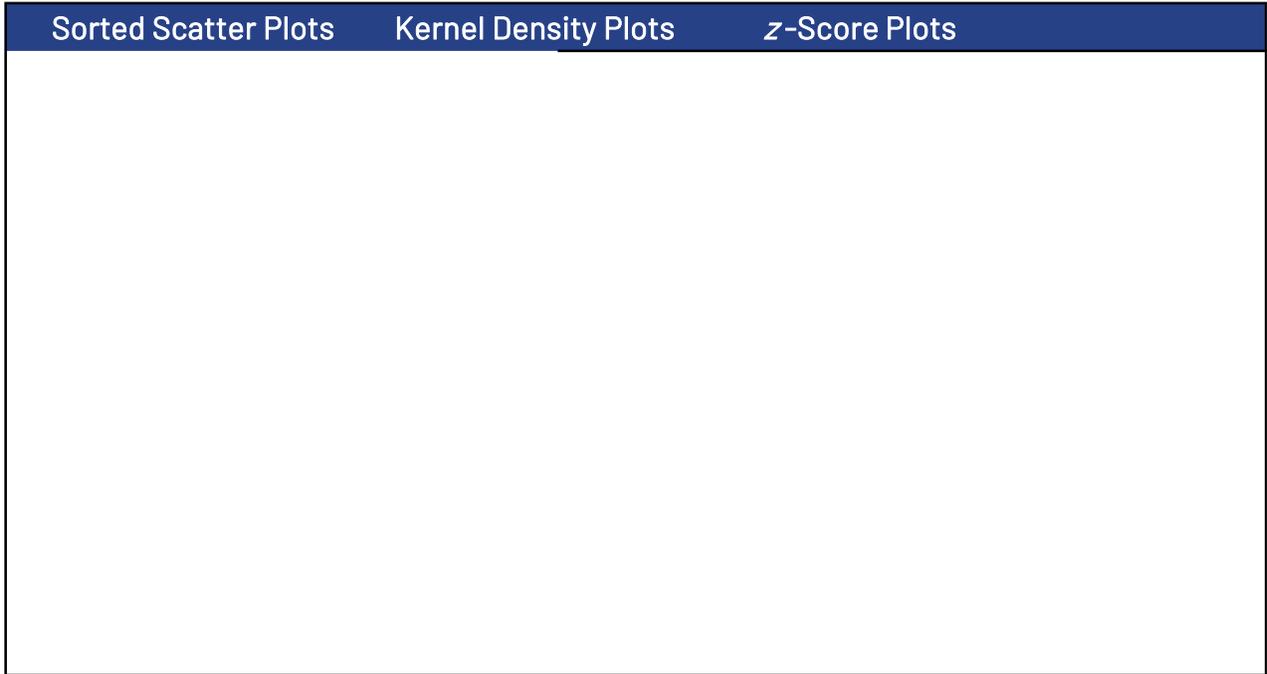
Method	C39-1	C39-2	C39-3	C39-4
COLORIMETRIC (Blue)	3	3	0	0
SELECTIVE ION ELECTRODE (Red)	7	7	0	0
TITRIMETRIC (Green)	2	2	0	0
ION CHROMATOGRAPHY (Orange)	3	3	0	0

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



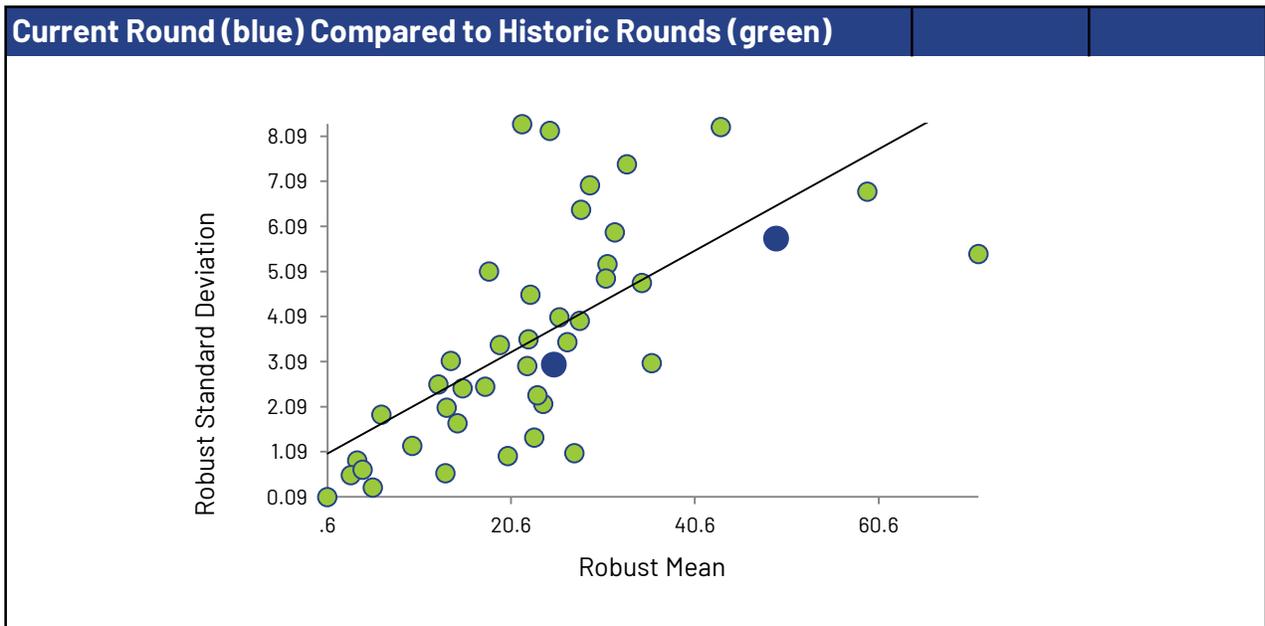
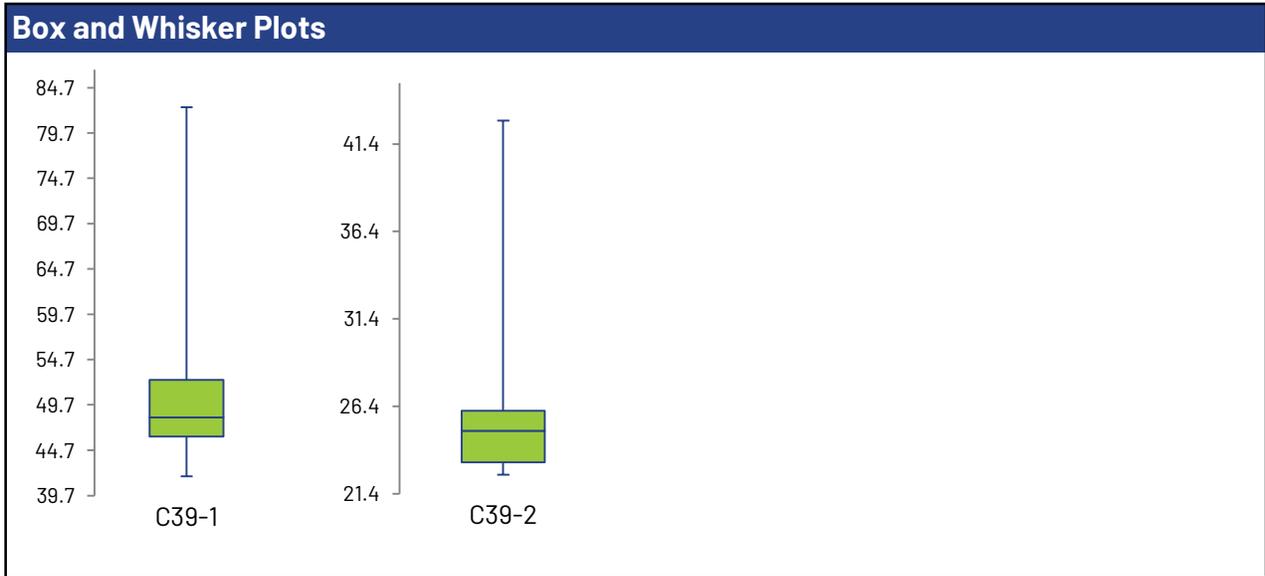
* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

Fluoride



Fluoride

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



Lead

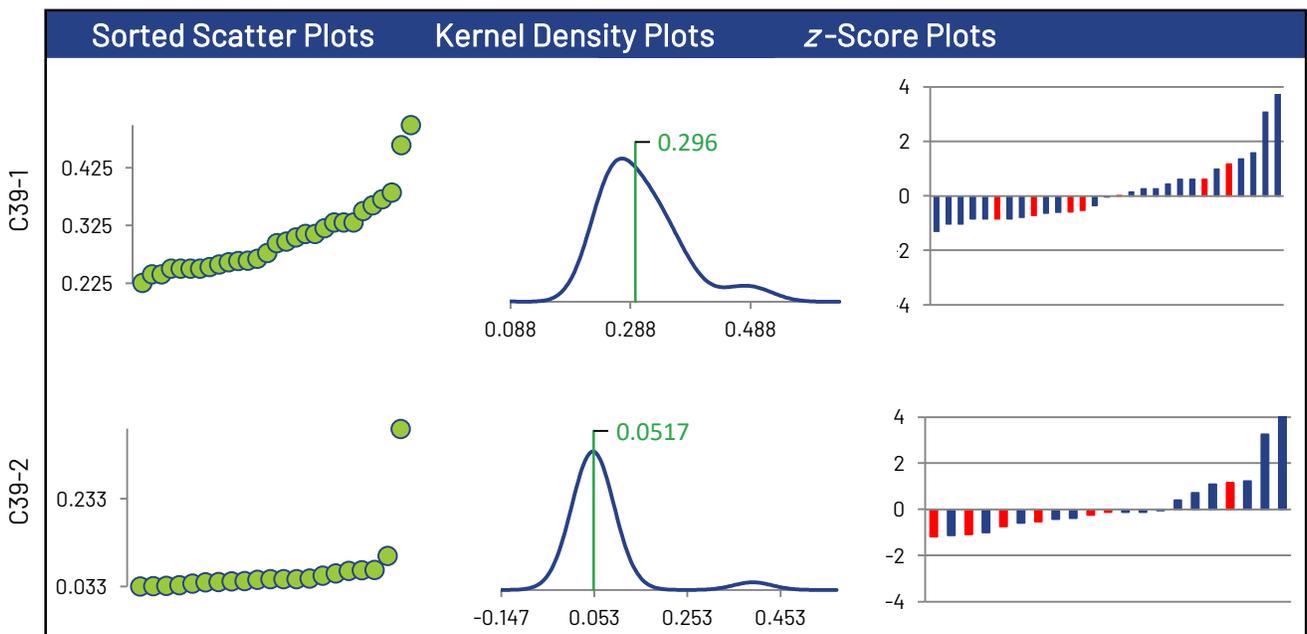
Summary Statistics

Statistic	C39-1	C39-2	C39-3	C39-4
No. of results used for summary statistics	29	21	0	0
Median mg/L	0.294	0.0500		
Robust Mean mg/L	0.296	0.0517		
Uncertainty of the Assigned Value mg/L	0.0127	0.00431		
Robust Standard Deviation mg/L	0.0546	0.0158		
Regression Standard Deviation mg/L				
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) mg/L	0.0546	0.0158		
Flagged Outliers	1	1	0	0
$ z > 3.0$	2	2	0	0
$2 < z < 3$	0	0	0	0
Failure Rate %*	0.0			

Methods Used

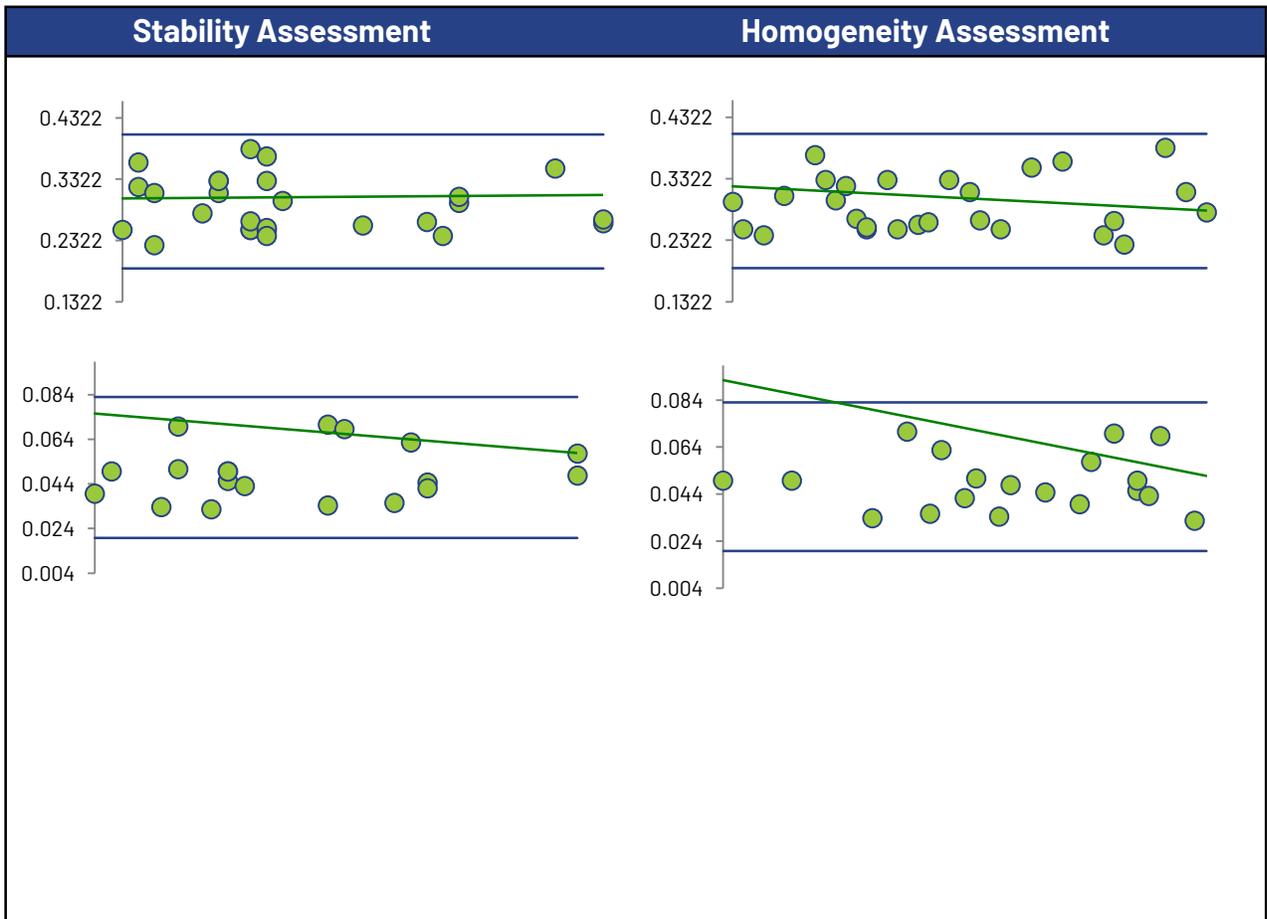
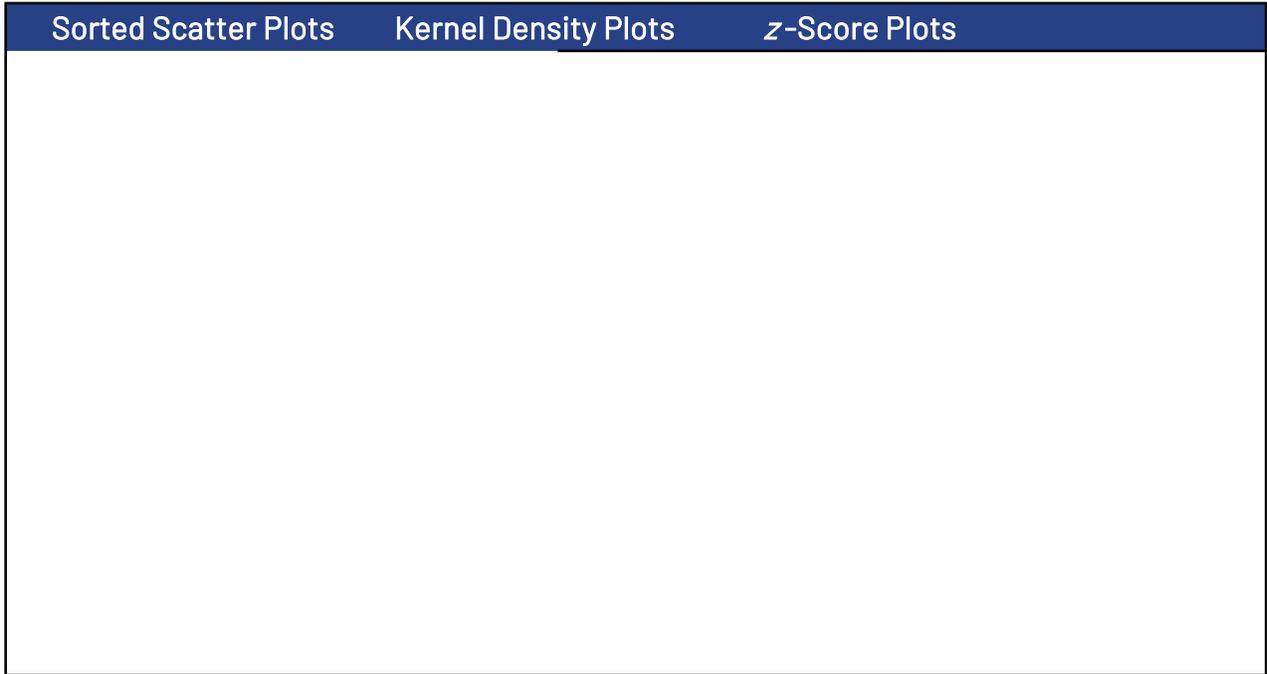
Method	C39-1	C39-2	C39-3	C39-4
ICP/MS (Blue)	22	14	0	0
ICP/OES (Red)	7	7	0	0

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



Mercury

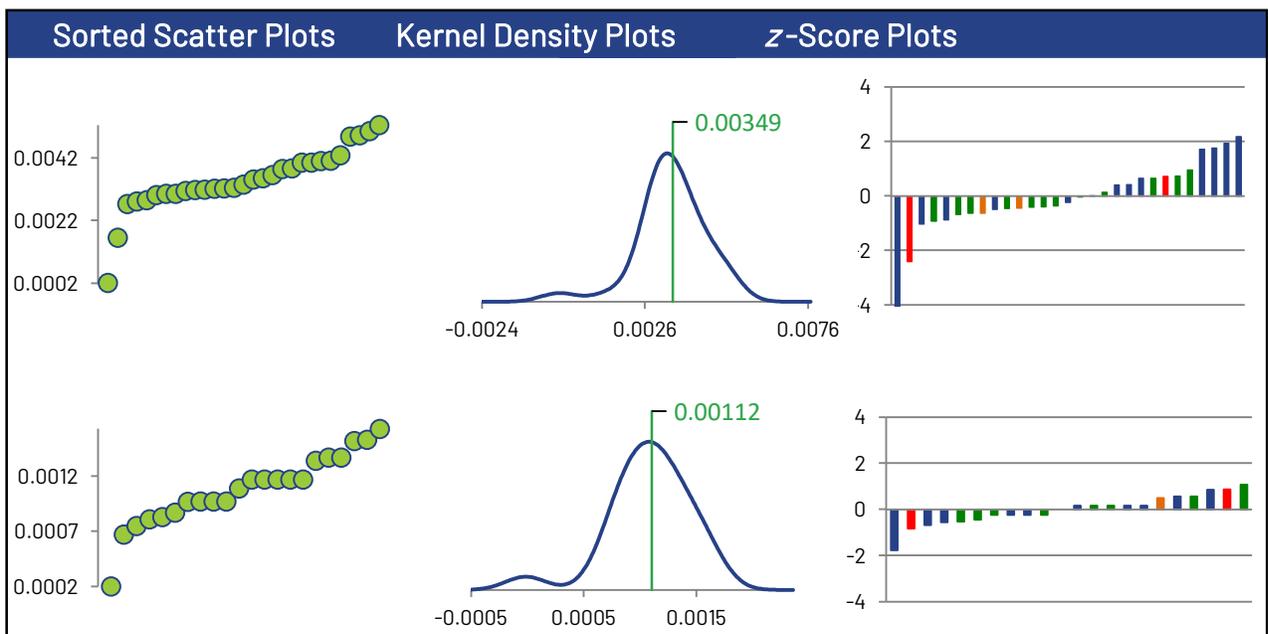
Summary Statistics

Statistic	C39-1	C39-2	C39-3	C39-4
No. of results used for summary statistics	29	22	0	0
Median mg/L	0.00330	0.00116		
Robust Mean mg/L	0.00349	0.00112		
Uncertainty of the Assigned Value mg/L	0.000182	0.0000839		
Robust Standard Deviation mg/L	0.000783	0.000315		
Regression Standard Deviation mg/L				
Stability Flag		Stability		
Homogeneity Flag				
Standard Deviation Used (SDPA) mg/L	0.000783	0.000503		
Flagged Outliers	1	1	0	0
z >3.0	1	0	0	0
2< z <3	2	0	0	0
Failure Rate %*	0.0			

Methods Used

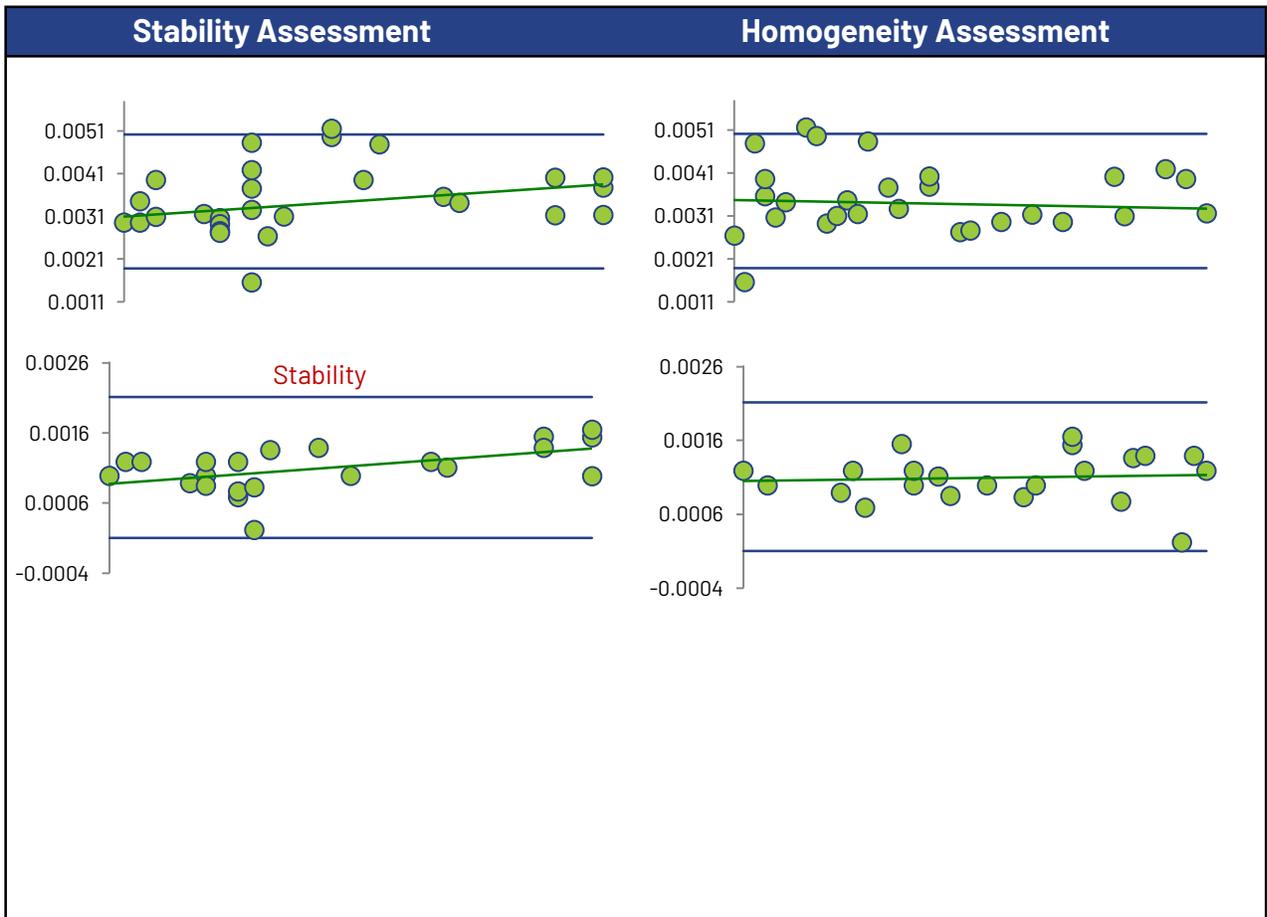
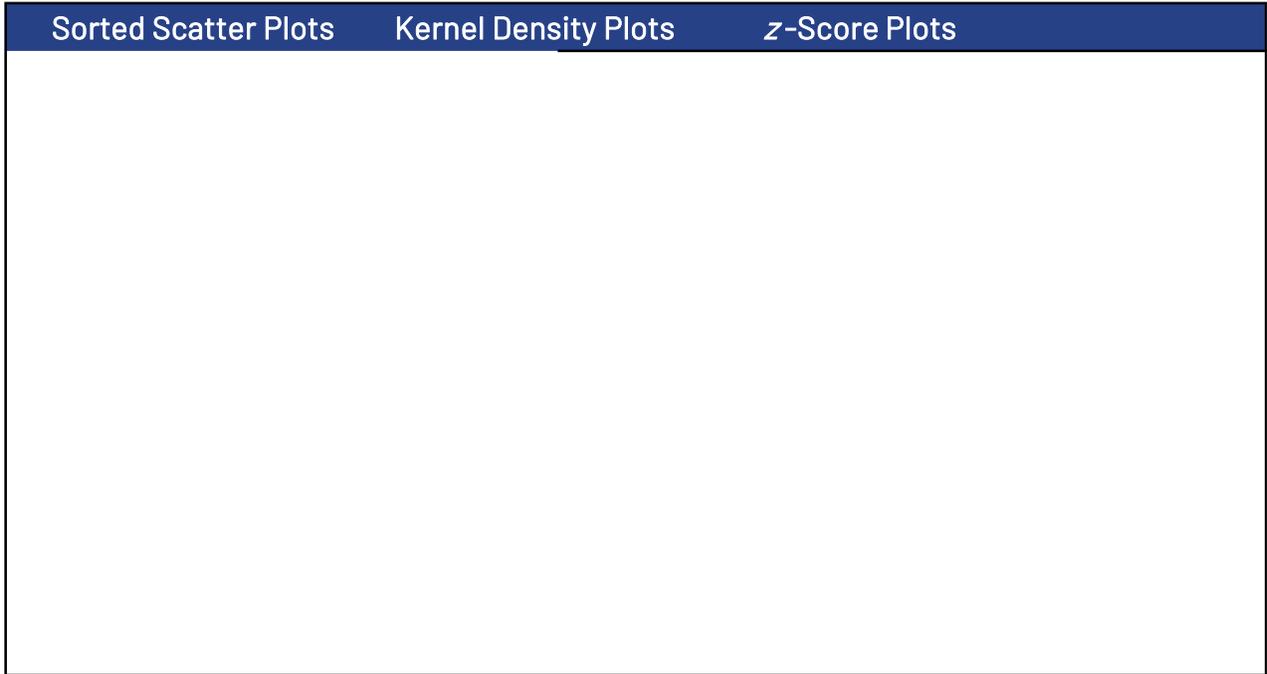
Method	C39-1	C39-2	C39-3	C39-4
COLD VAPOUR AA (Blue)	13	10	0	0
JR ATOMIC FLUORESCENCE SPECTROPHOTOMETRY (Red)	2	2	0	0
ICP/MS (Green)	12	9	0	0
ICP/OES (Orange)	2	1	0	0

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



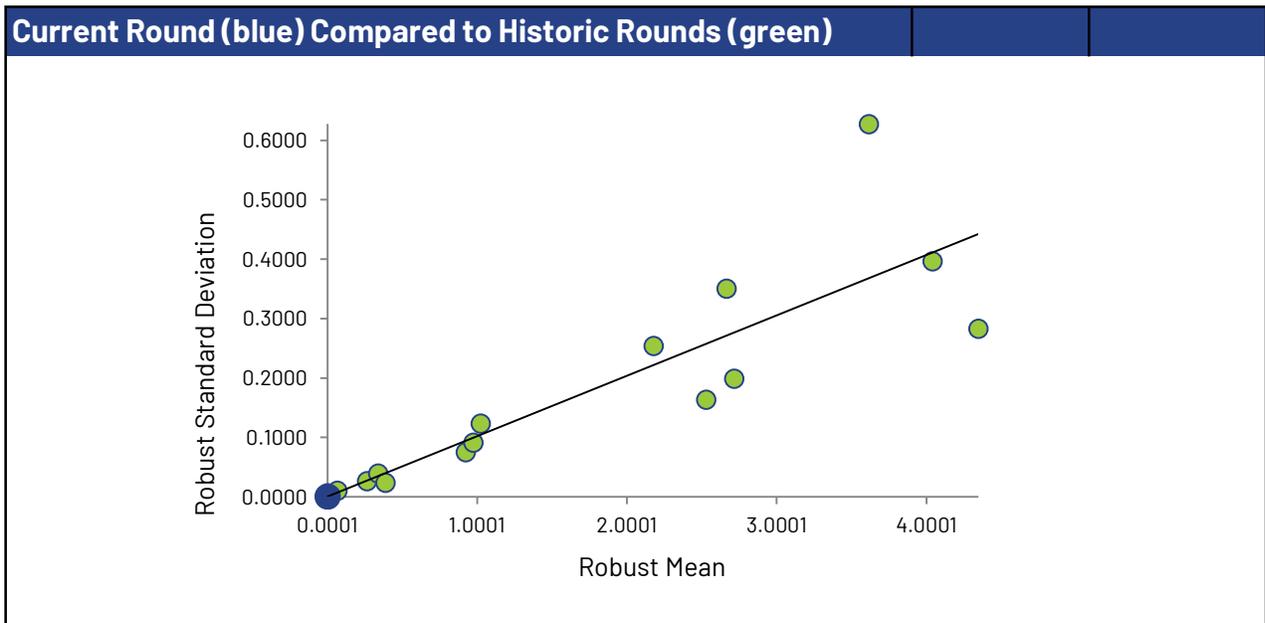
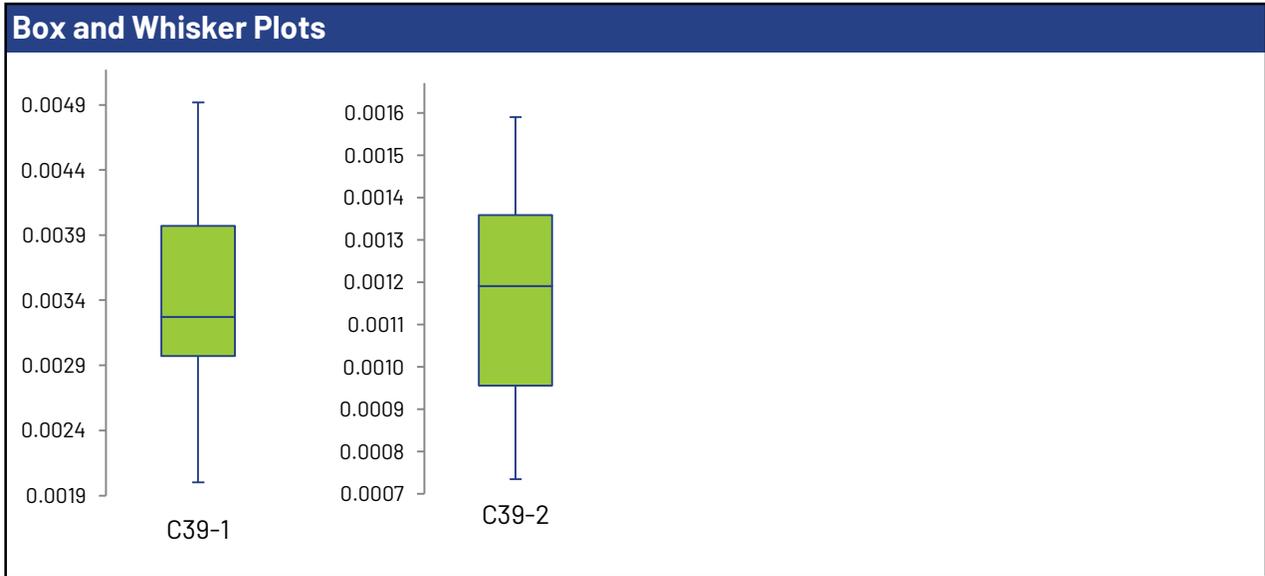
* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

Mercury



Mercury

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



Nitrate

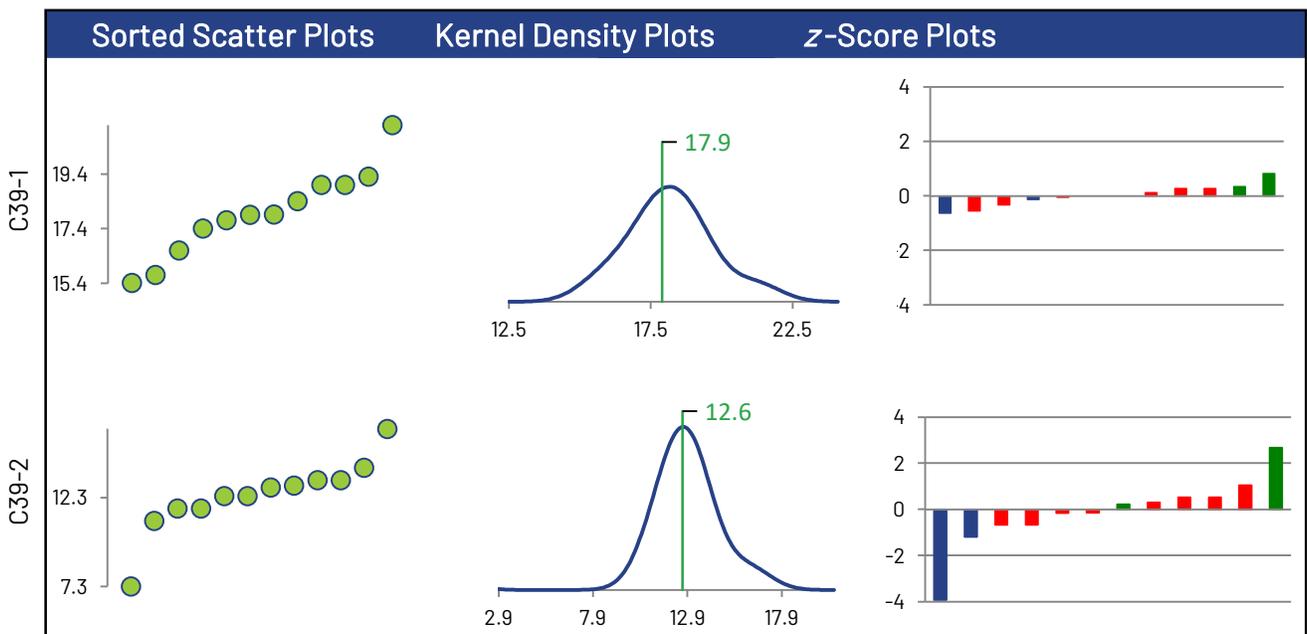
Summary Statistics

Statistic	C39-1	C39-2	C39-3	C39-4
No. of results used for summary statistics	12	12	0	0
Median mg/L	17.9	12.7		
Robust Mean mg/L	17.9	12.6		
Uncertainty of the Assigned Value mg/L	0.603	0.487		
Robust Standard Deviation mg/L	1.67	1.35		
Regression Standard Deviation mg/L				
Stability Flag	Stability			
Homogeneity Flag				
Standard Deviation Used (SDPA) mg/L	3.97	1.35		
Flagged Outliers	0	0	0	0
z >3.0	0	1	0	0
2< z <3	0	1	0	0
Failure Rate %*	8.3			

Methods Used

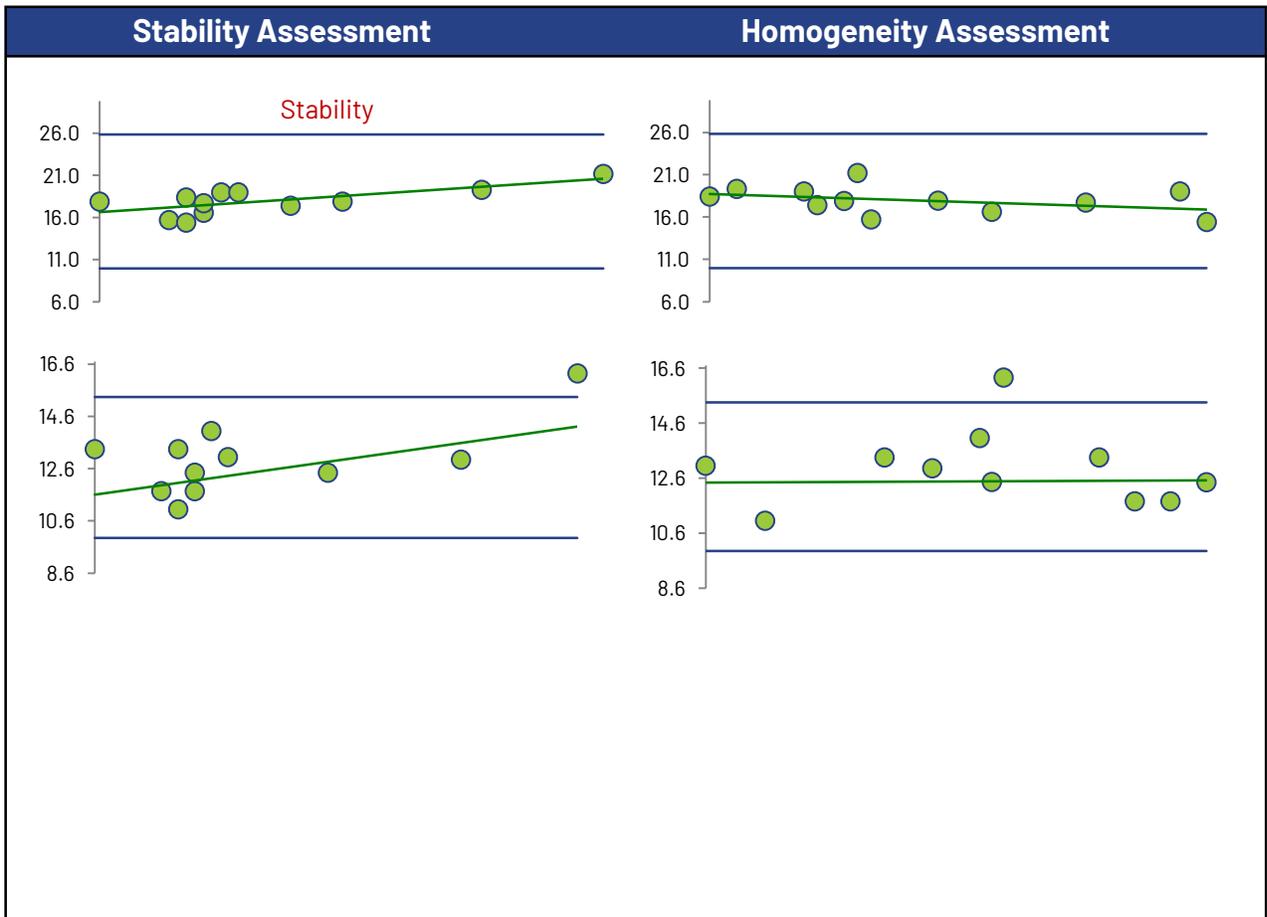
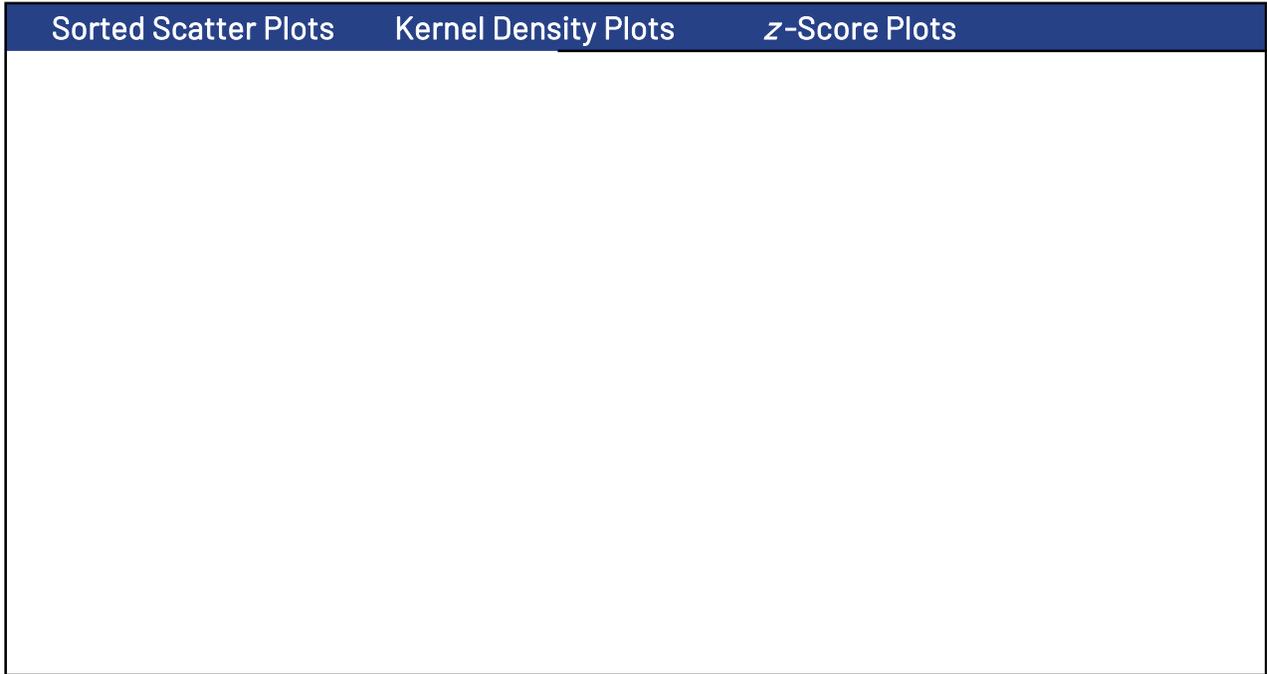
Method	C39-1	C39-2	C39-3	C39-4
COLORIMETRIC (Blue)	2	2	0	0
ION CHROMATOGRAPHY (Red)	8	8	0	0
AUTO COLOR (Green)	2	2	0	0

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



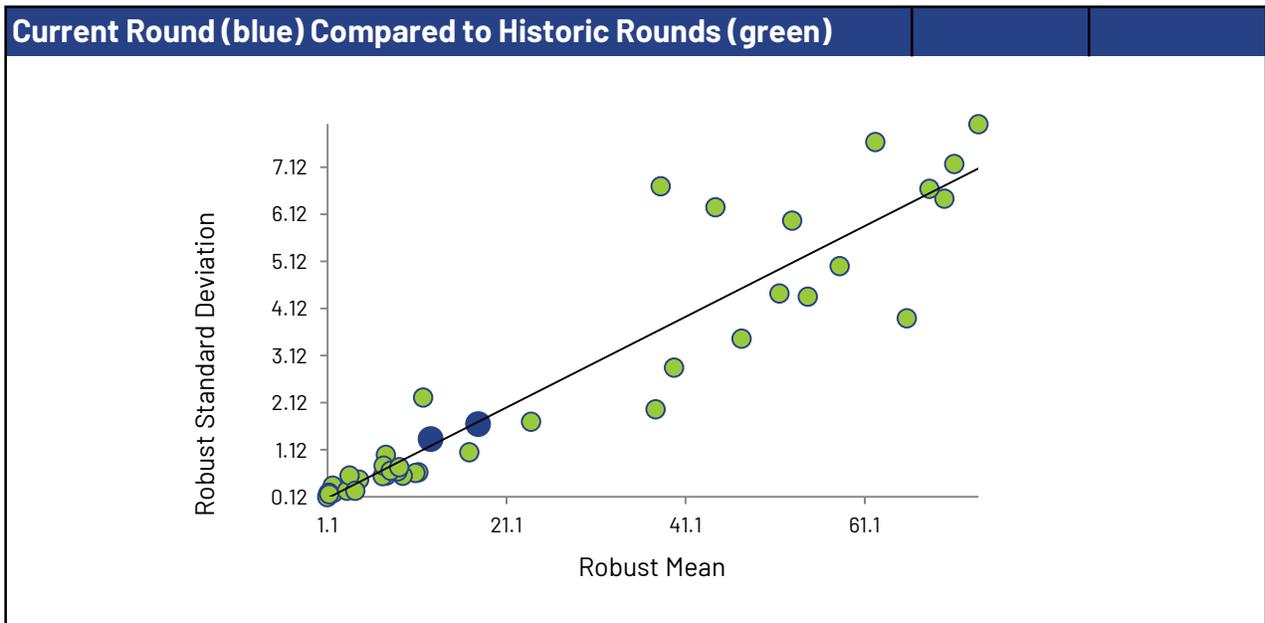
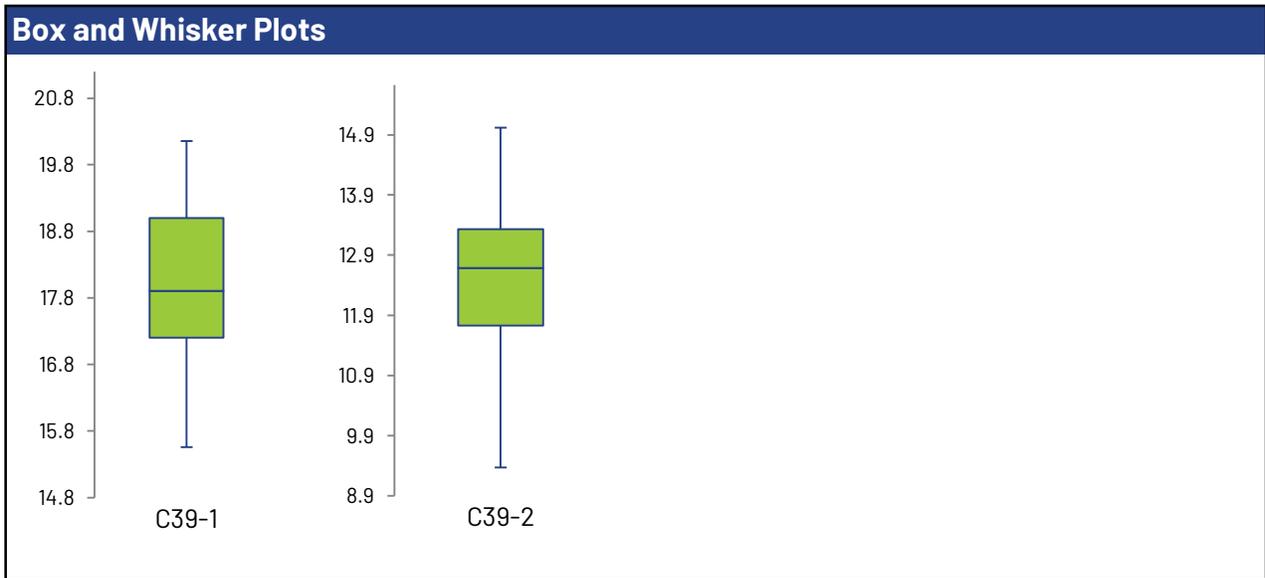
* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

Nitrate



Nitrate

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



Nitrate plus Nitrite

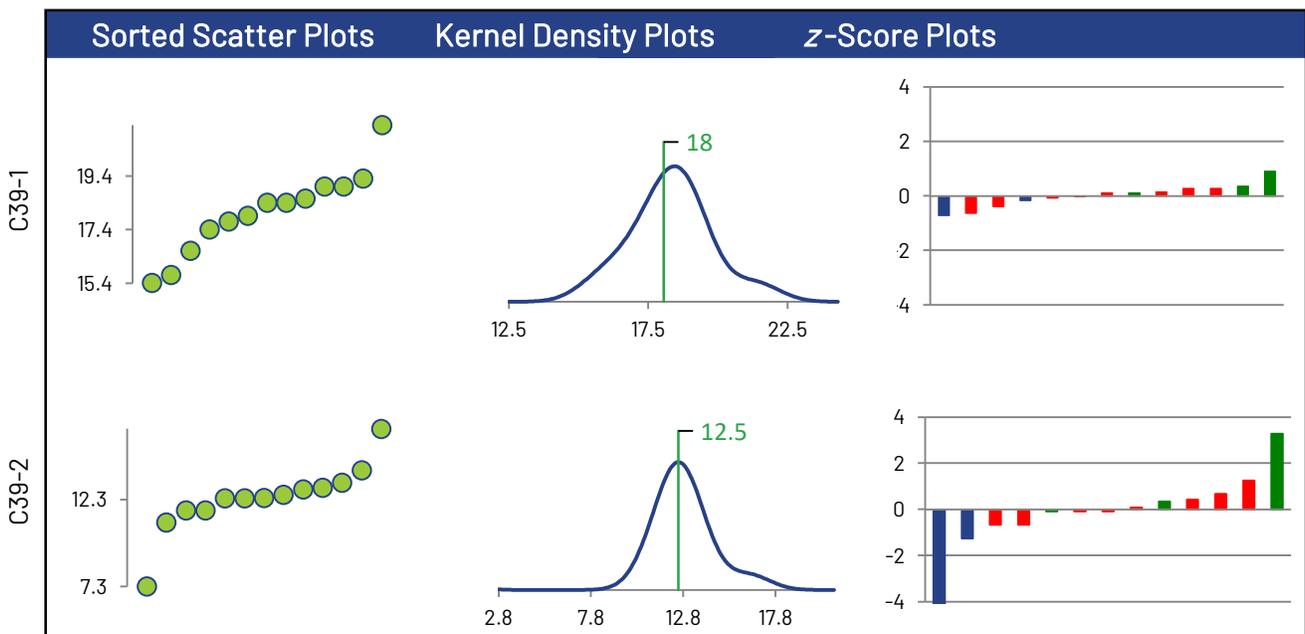
Summary Statistics

Statistic	C39-1	C39-2	C39-3	C39-4
No. of results used for summary statistics	13	13	0	0
Median mg/L	18.4	12.4		
Robust Mean mg/L	18.0	12.5		
Uncertainty of the Assigned Value mg/L	0.548	0.413		
Robust Standard Deviation mg/L	1.58	1.19		
Regression Standard Deviation mg/L				
Stability Flag	Stability			
Homogeneity Flag				
Standard Deviation Used (SDPA) mg/L	3.63	1.19		
Flagged Outliers	0	0	0	0
$ z > 3.0$	0	2	0	0
$2 < z < 3$	0	0	0	0
Failure Rate %*	7.7			

Methods Used

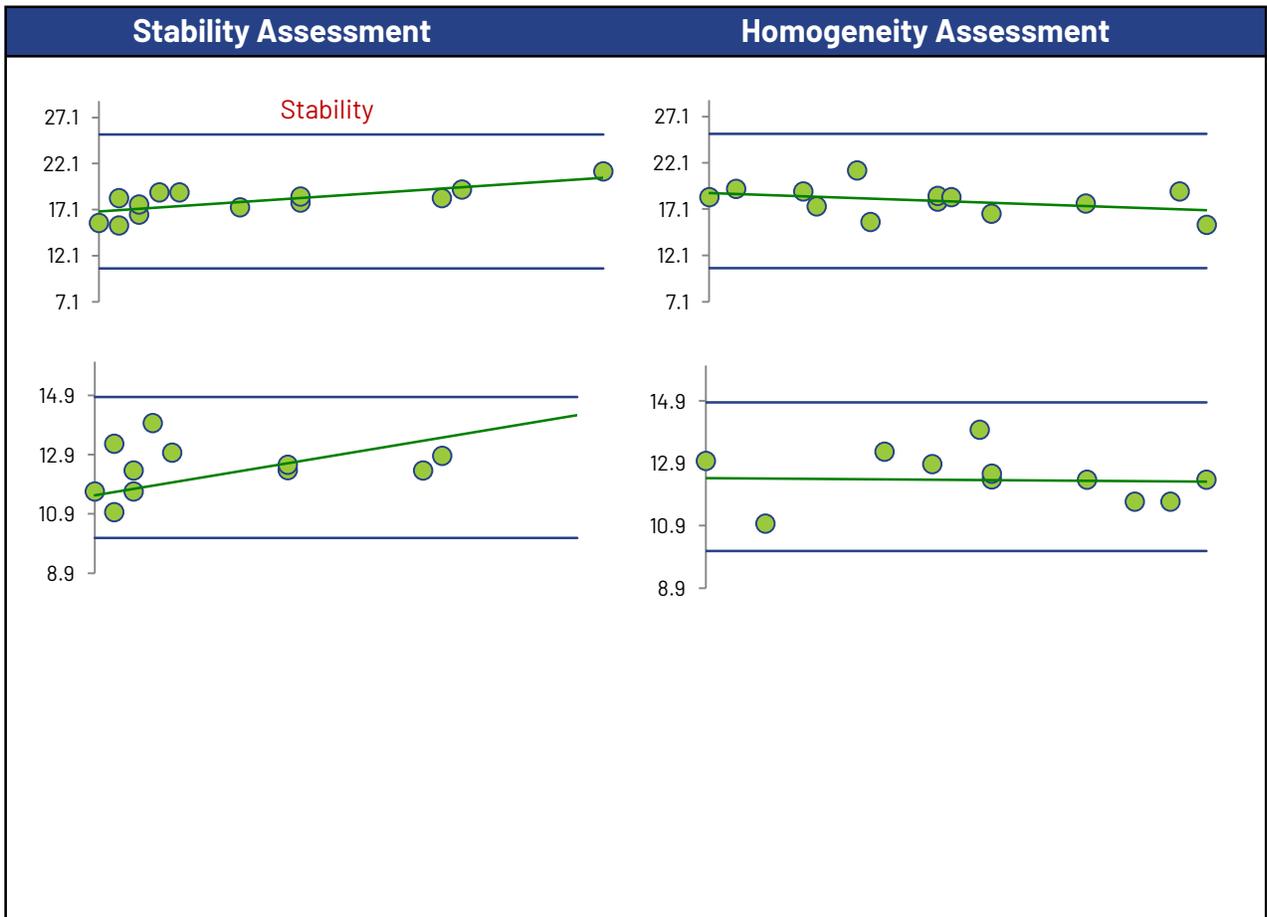
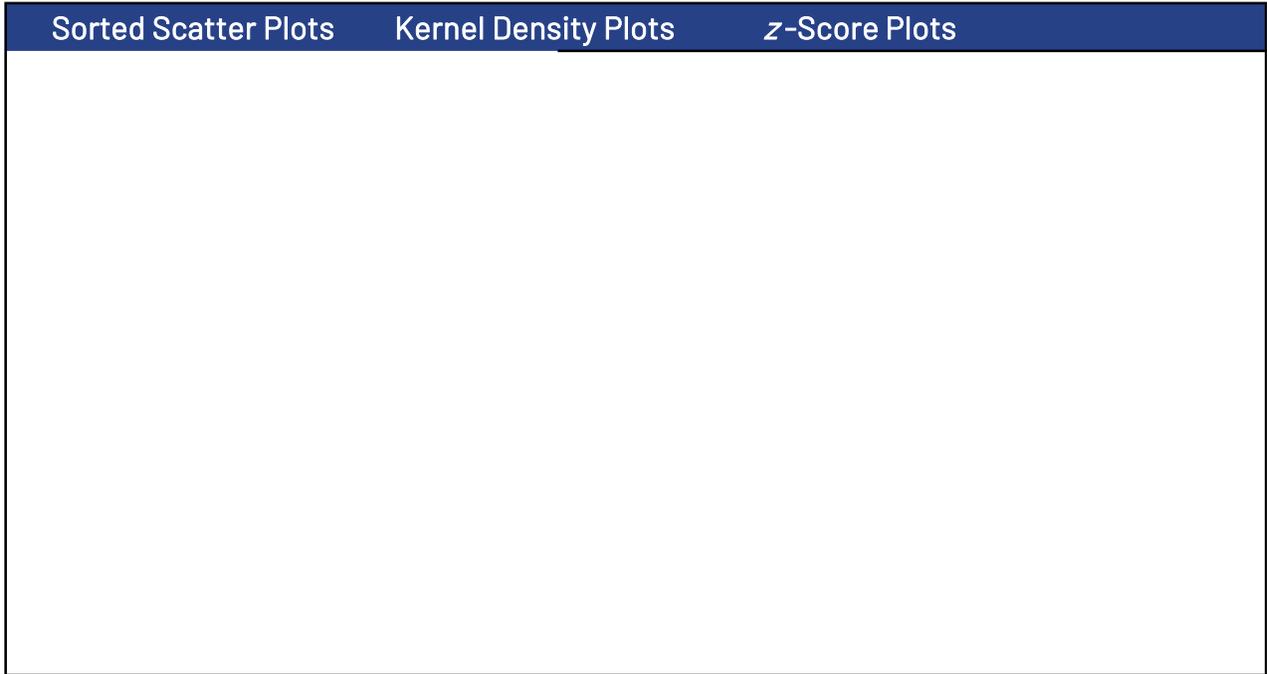
Method	C39-1	C39-2	C39-3	C39-4
COLORIMETRIC (Blue)	2	2	0	0
ION CHROMATOGRAPHY (Red)	8	8	0	0
AUTO COLOR (Green)	3	3	0	0

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.

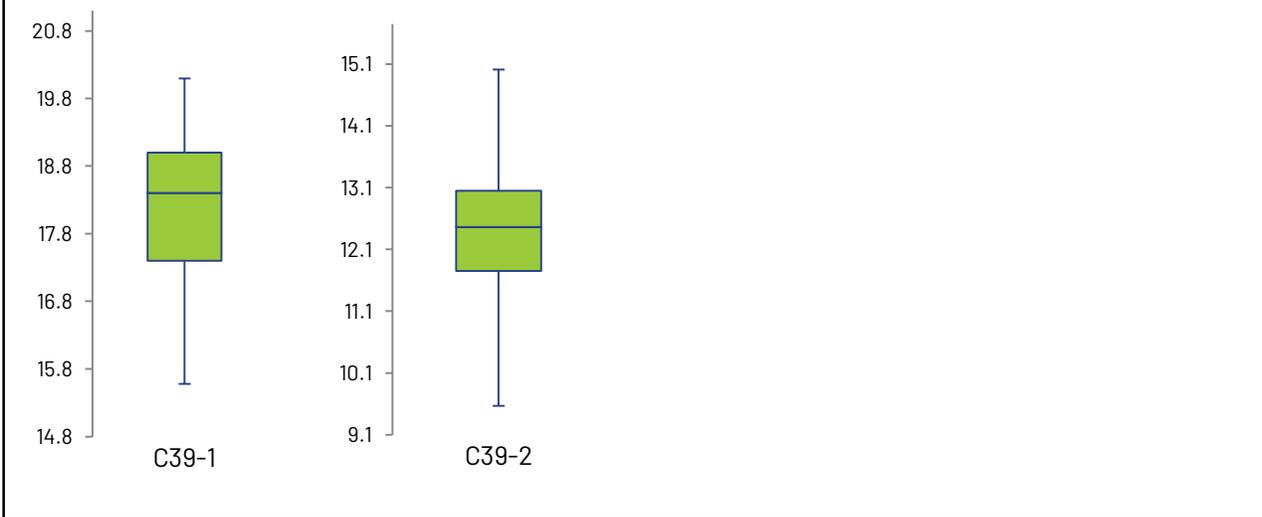
Nitrate plus Nitrite



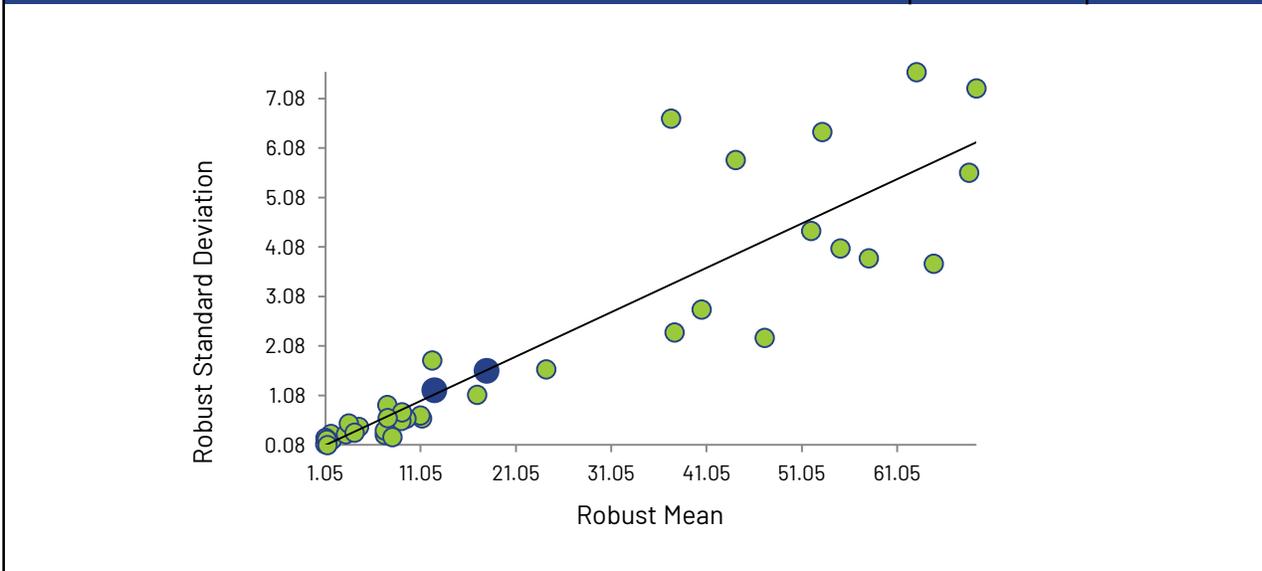
Nitrate plus Nitrite

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

Box and Whisker Plots



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



Selenium

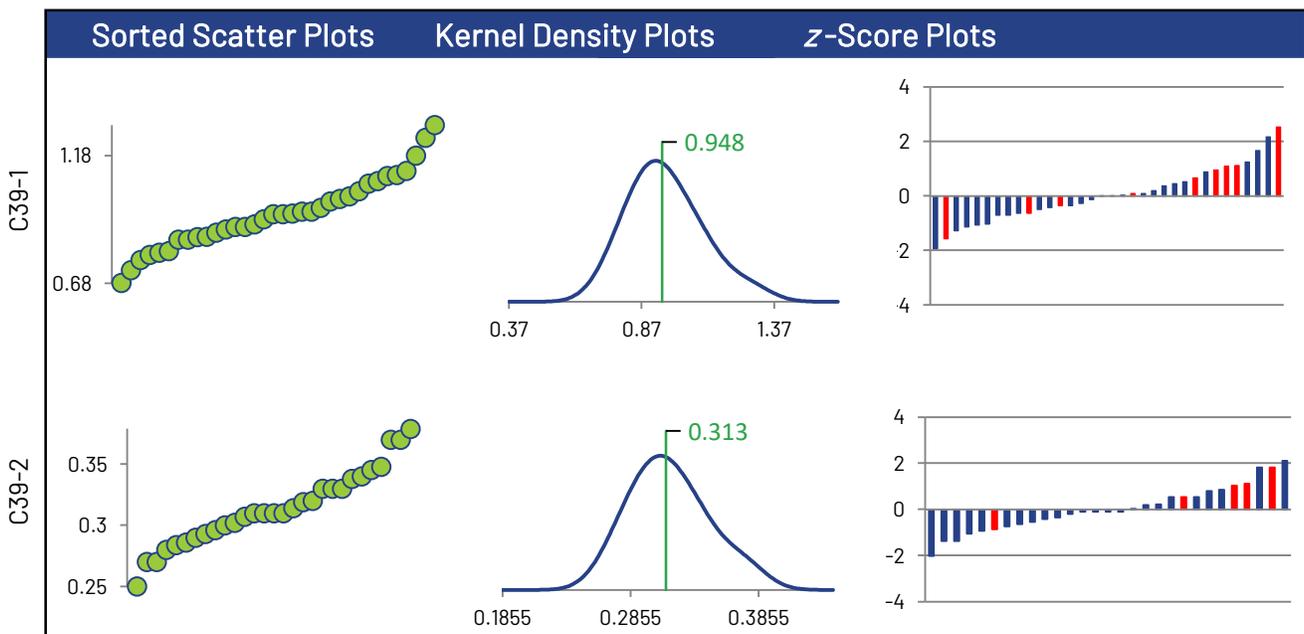
Summary Statistics

Statistic	C39-1	C39-2	C39-3	C39-4
No. of results used for summary statistics	34	29	0	0
Median mg/L	0.950	0.310		
Robust Mean mg/L	0.948	0.313		
Uncertainty of the Assigned Value mg/L	0.0298	0.00727		
Robust Standard Deviation mg/L	0.139	0.0313		
Regression Standard Deviation mg/L				
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) mg/L	0.139	0.0313		
Flagged Outliers	0	0	0	0
$ z > 3.0$	0	0	0	0
$2 < z < 3$	2	2	0	0
Failure Rate %*	2.9			

Methods Used

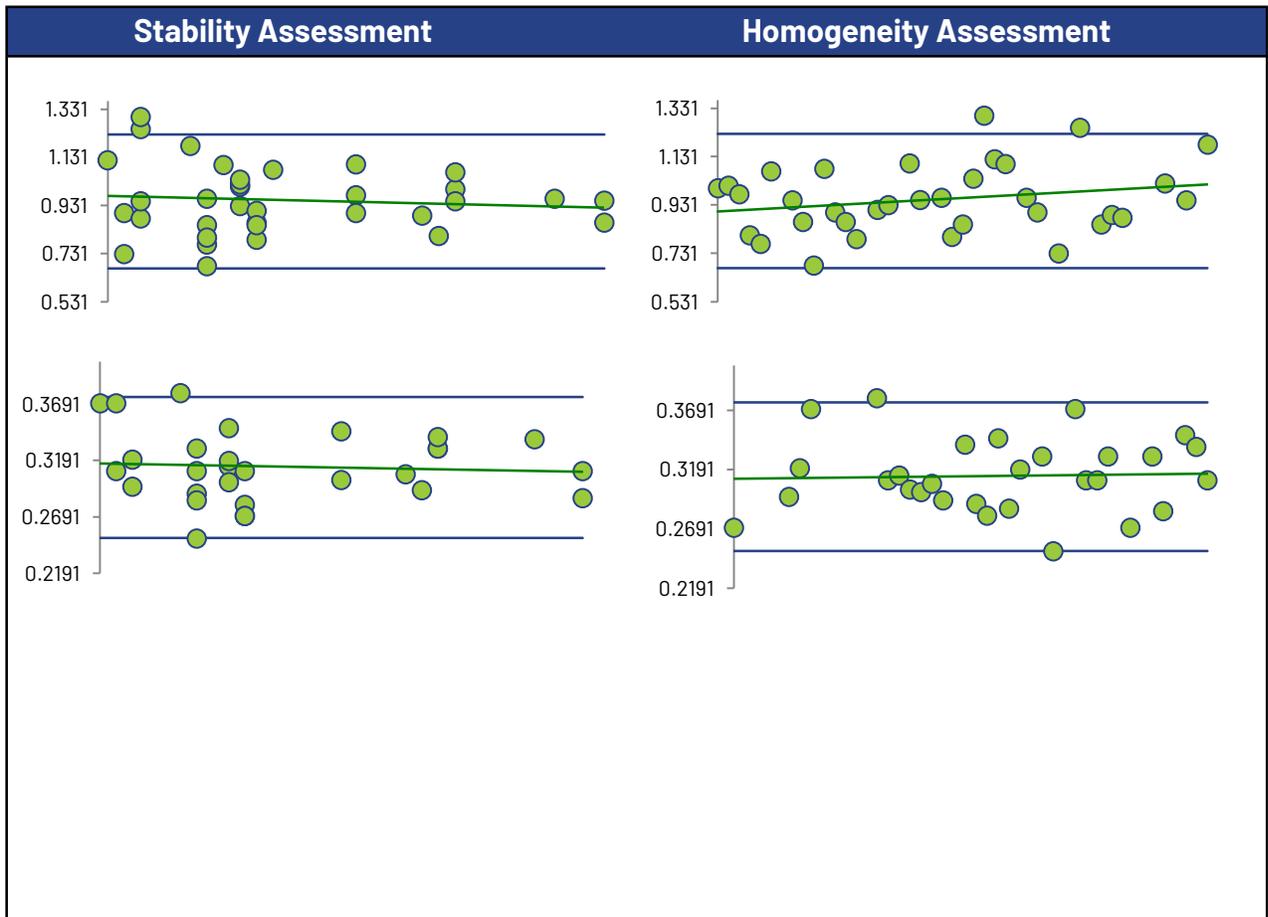
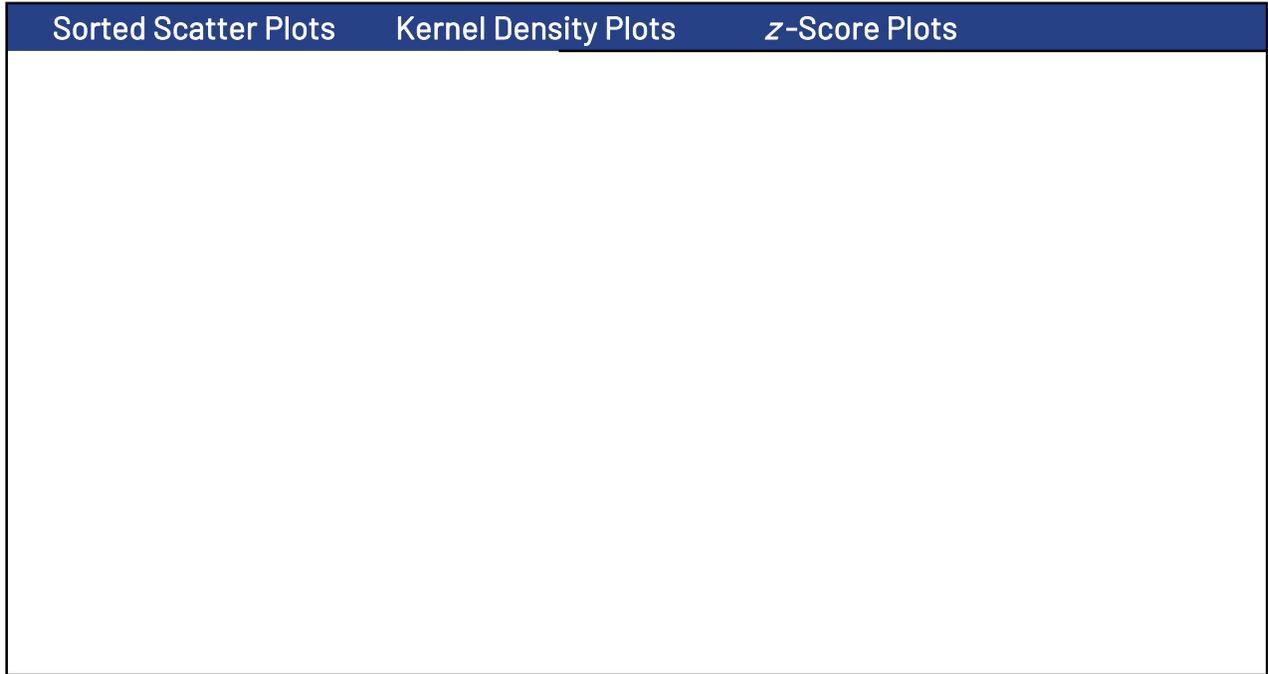
Method	C39-1	C39-2	C39-3	C39-4
ICP/MS (Blue)	25	24	0	0
ICP/OES (Red)	9	5	0	0

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

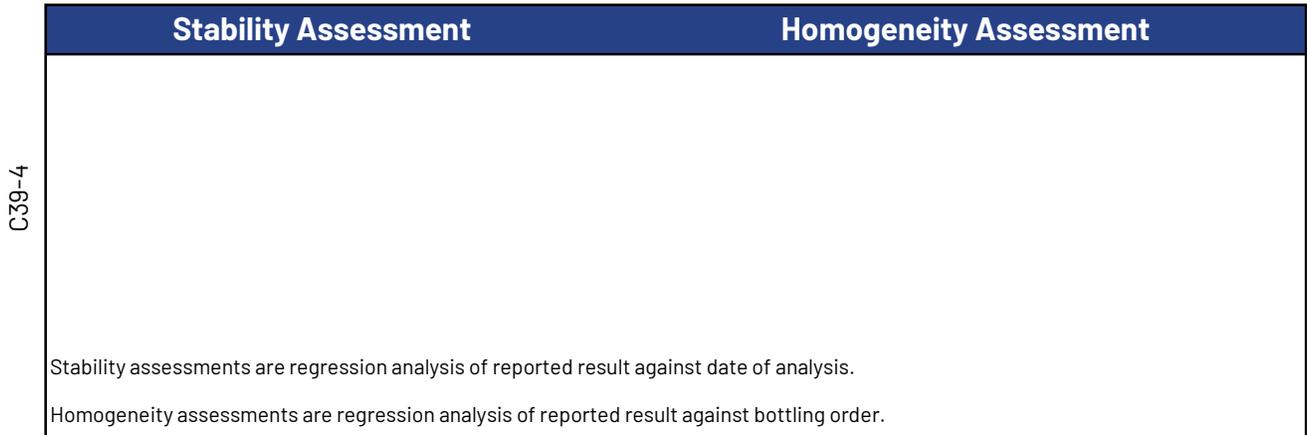


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

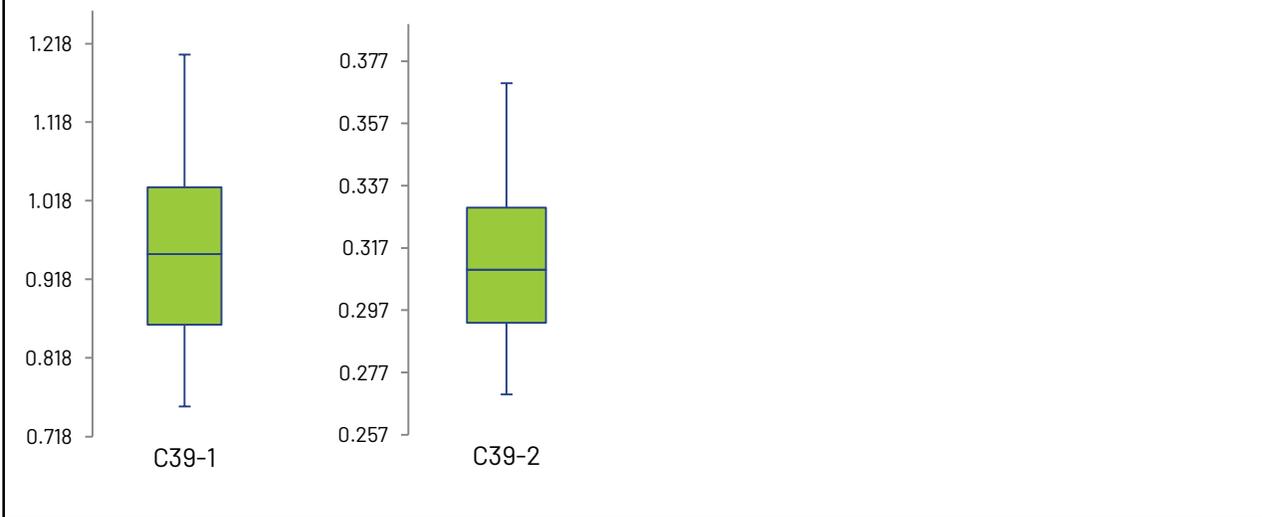
Selenium



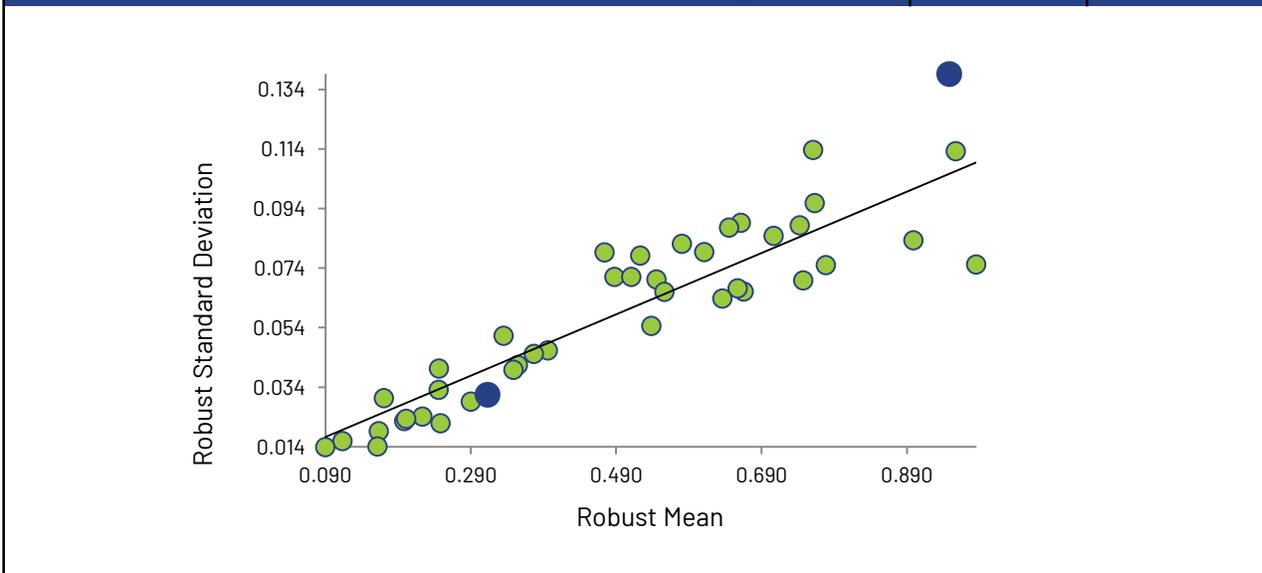
Selenium



Box and Whisker Plots



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



Silver

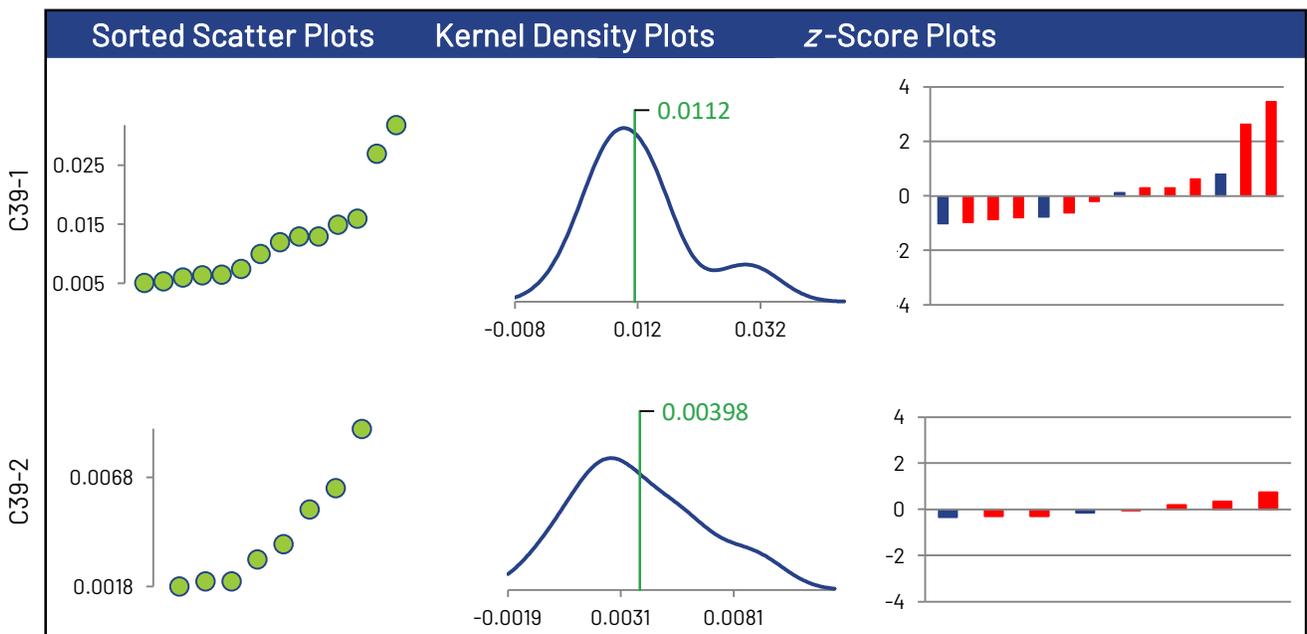
Summary Statistics

Statistic	C39-1	C39-2	C39-3	C39-4
No. of results used for summary statistics	14	8	0	0
Median mg/L	0.0110	0.00335		
Robust Mean mg/L	0.0112	0.00398		
Uncertainty of the Assigned Value mg/L	0.00200	0.00113		
Robust Standard Deviation mg/L	0.00599	0.00256		
Regression Standard Deviation mg/L				
Stability Flag				
Homogeneity Flag		Homogeneity		
Standard Deviation Used (SDPA) mg/L	0.00599	0.00680		
Flagged Outliers	2	2	0	0
$ z > 3.0$	1	0	0	0
$2 < z < 3$	1	0	0	0
Failure Rate %*	0.0			

Methods Used

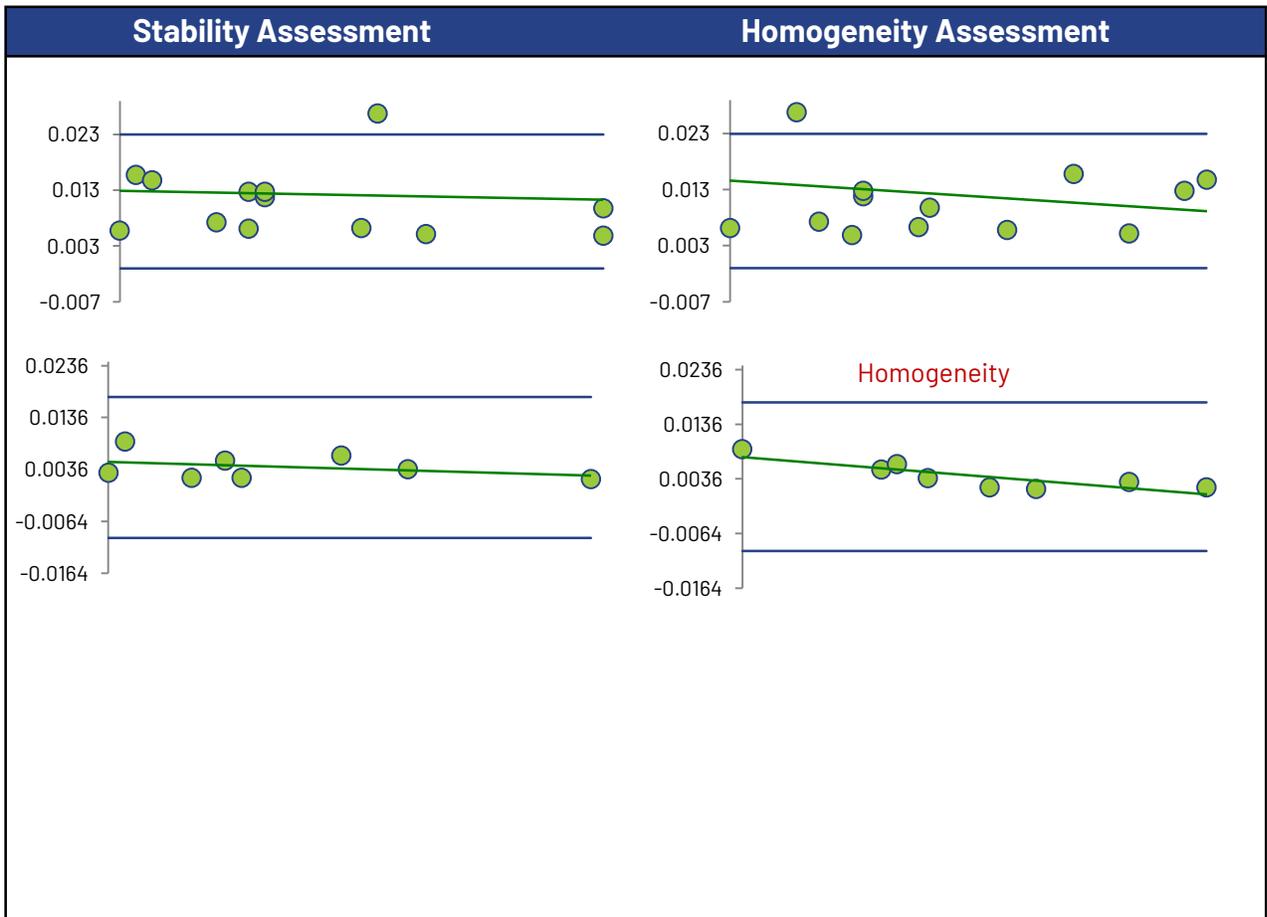
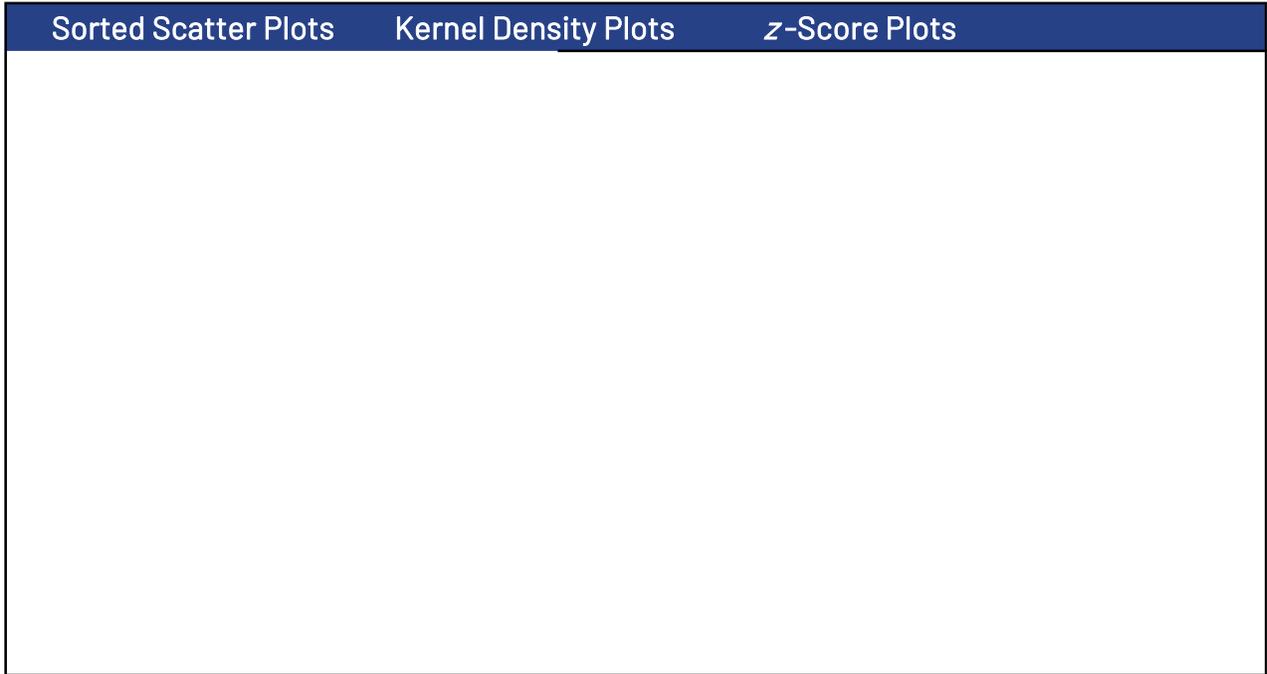
Method	C39-1	C39-2	C39-3	C39-4
ICP/OES (Blue)	4	2	0	0
ICP/MS (Red)	10	6	0	0

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



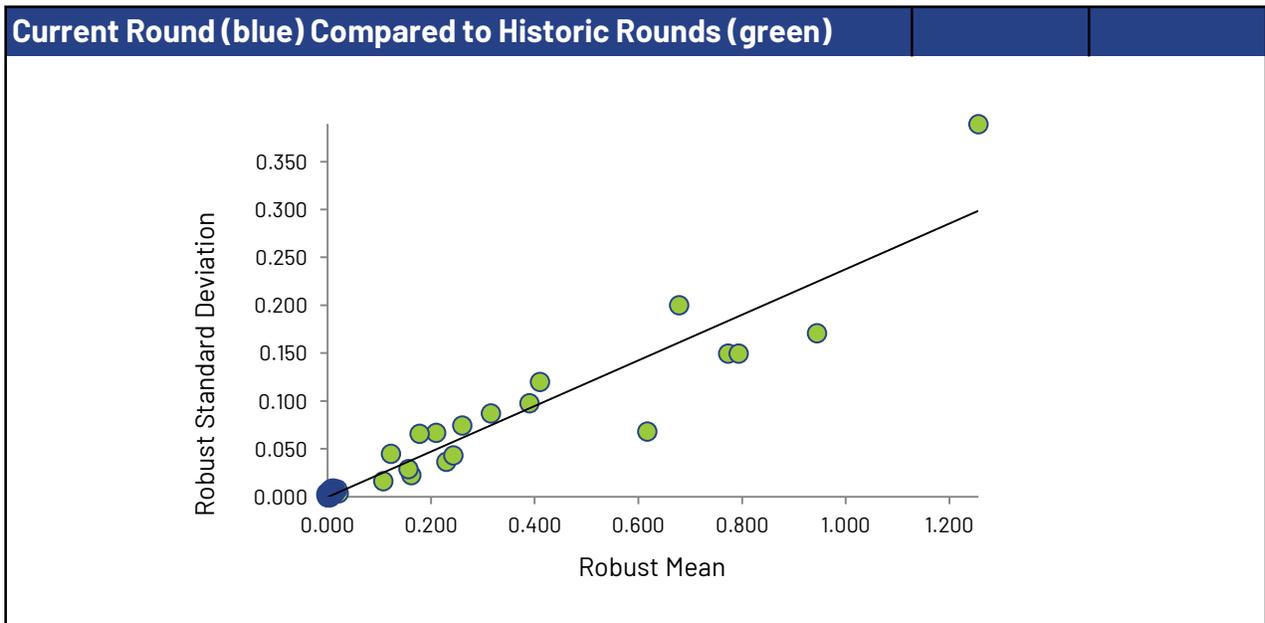
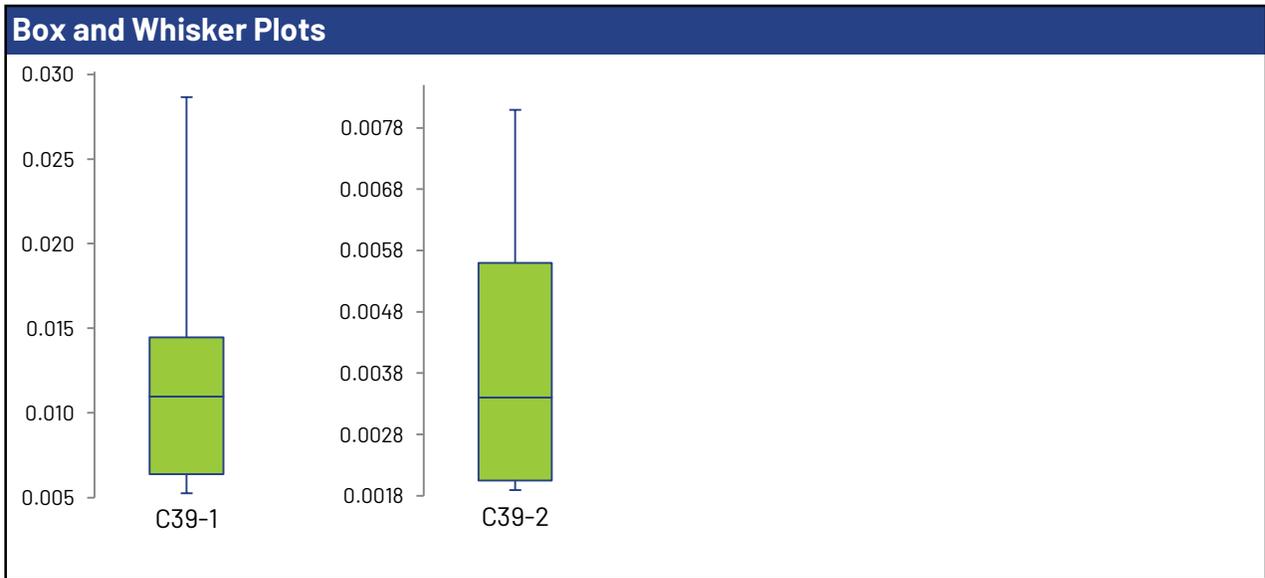
* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

Silver



Silver

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



Uranium

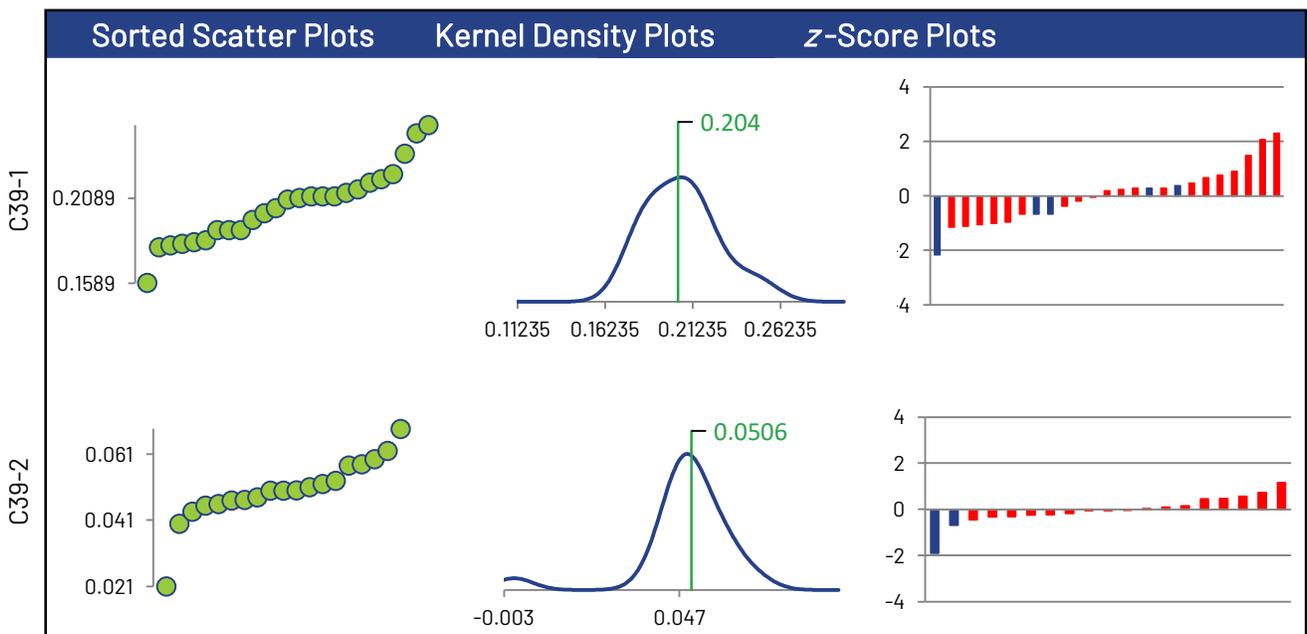
Summary Statistics

Statistic	C39-1	C39-2	C39-3	C39-4
No. of results used for summary statistics	25	19	0	0
Median mg/L	0.208	0.0500		
Robust Mean mg/L	0.204	0.0506		
Uncertainty of the Assigned Value mg/L	0.00520	0.00221		
Robust Standard Deviation mg/L	0.0208	0.00770		
Regression Standard Deviation mg/L				
Stability Flag		Stability		
Homogeneity Flag				
Standard Deviation Used (SDPA) mg/L	0.0208	0.0157		
Flagged Outliers	0	1	0	0
z >3.0	0	0	0	0
2< z <3	3	0	0	0
Failure Rate %*	0.0			

Methods Used

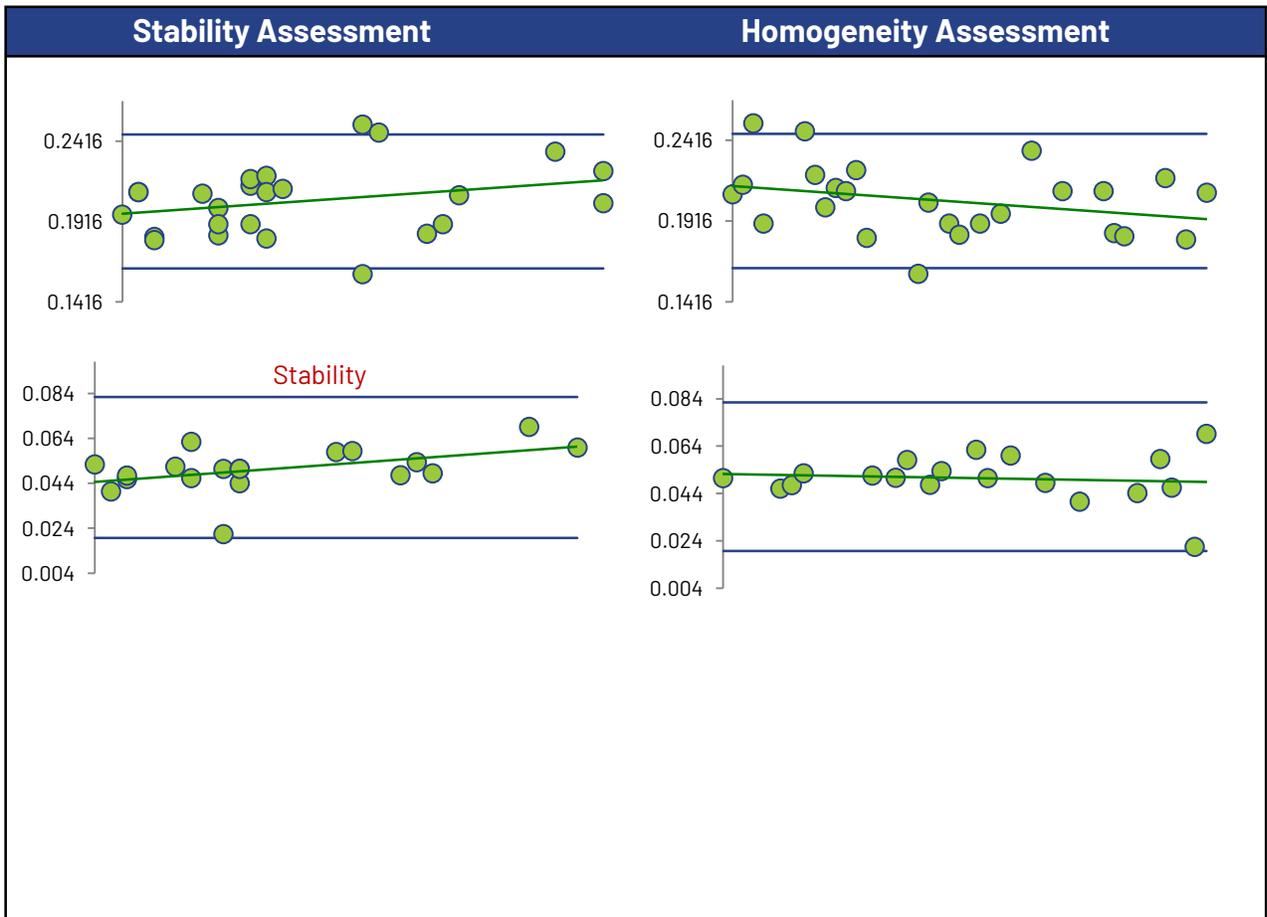
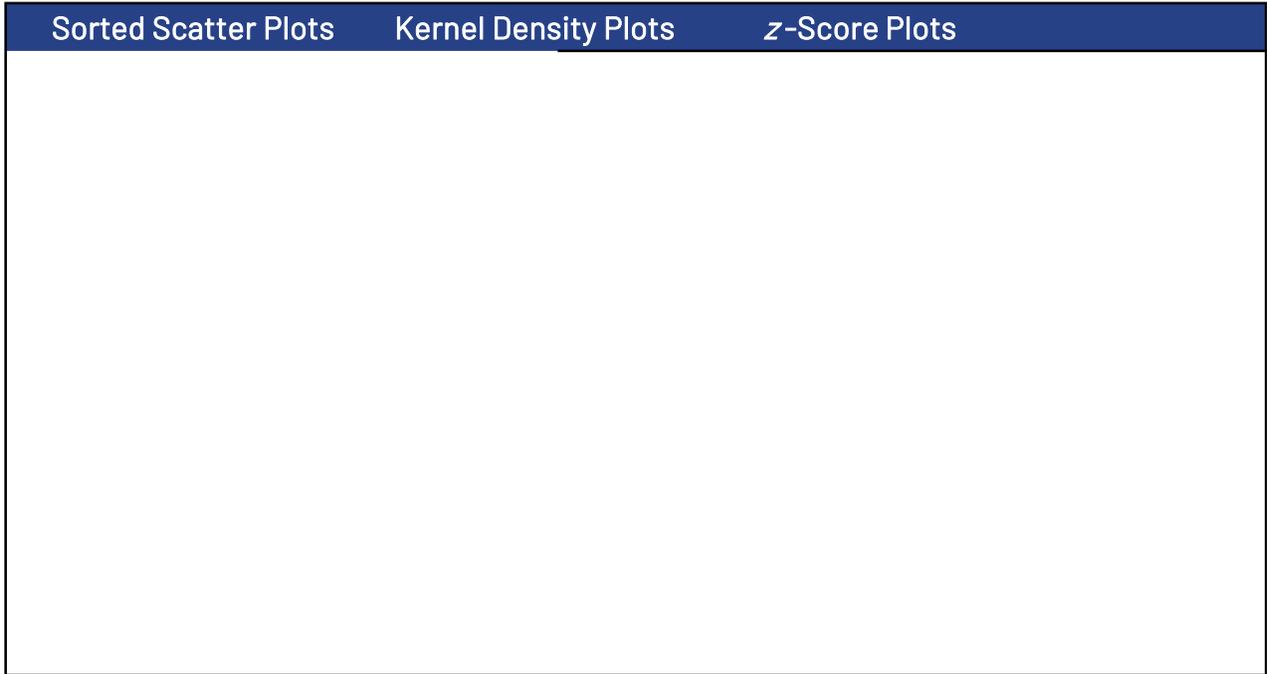
Method	C39-1	C39-2	C39-3	C39-4
ICP/OES (Blue)	5	2	0	0
ICP/MS (Red)	20	17	0	0

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



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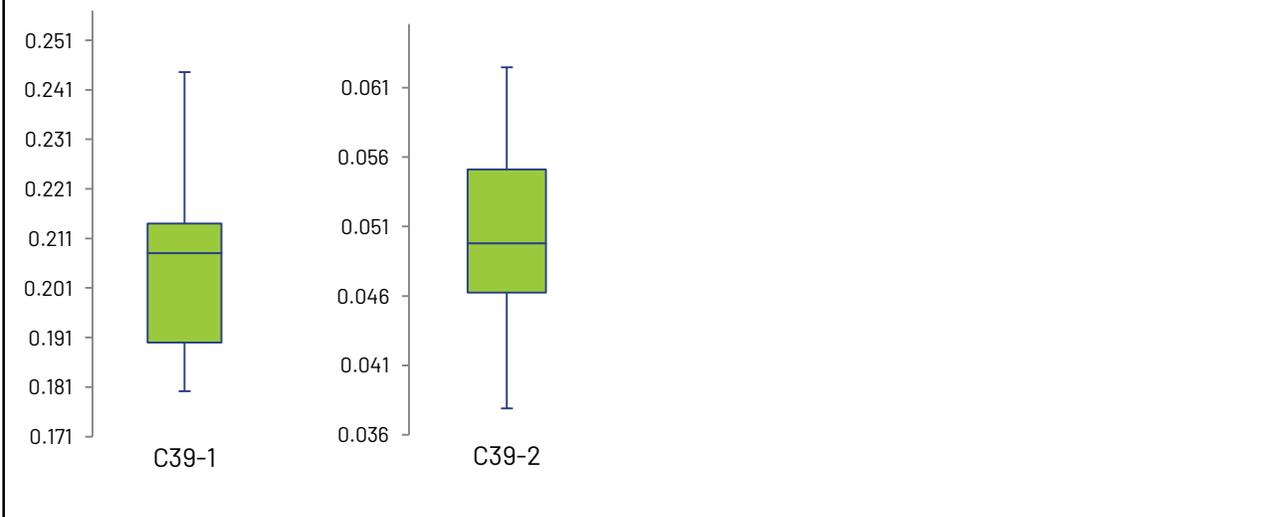
Uranium



Uranium

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

Box and Whisker Plots



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

